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TABLES OF THE THERMODYNAMIC PROPERTIES OF AIR AND
THE EXHAUST GAS FROM A TURBINE ENGINE

John M. Pelton, et al

Arnold Engineering Development Center
Arnold Air Force Station, Tennessee

March 1976

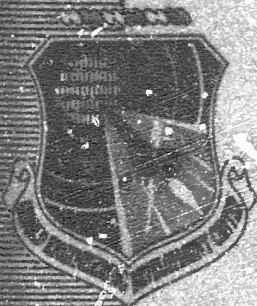
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OF AIR AND THE EXHAUST GAS
FROM A TURBINE ENGINE**

**ENGINE TEST FACILITY
ARNOLD ENGINEERING DEVELOPMENT CENTER
AIR FORCE SYSTEMS COMMAND
ARNOLD AIR FORCE STATION, TENNESSEE 37389**

March 1976

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Prepared for

**DIRECTORATE OF TECHNOLOGY (DY)
ARNOLD ENGINEERING DEVELOPMENT CENTER
ARNOLD AIR FORCE STATION, TENNESSEE 37389**

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Thermodynamic properties of air and the exhaust gas from a turbine engine (C_nH_{1.95}N/Air System) are presented in tabular form. The properties presented are enthalpy (h), entropy (s), and specific heat at constant pressure (c_p). The properties of air are presented for a temperature range from 300 to 1,800°R and a pressure range from 0.5 to 600 psia. The properties of exhaust gas are presented for a temperature range from 600 to 4,000°R, a pressure		

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20. ABSTRACT (Continued)

range from 0.5 to 600 psia, and a fuel-to-air ratio from 0.005 to 0.067.

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PREFACE

The research reported herein was conducted by the Arnold Engineering Development Center (AEDC), Air Force Systems Command (AFSC), under Program Element 65807F. The results of the research were obtained by ARO, Inc. (a subsidiary of Sverdrup & Parcel and Associates, Inc.), contract operator of AEDC, AFSC, Arnold Air Force Station, Tennessee, under ARO Project Numbers RF217 and RF414. The authors of this report were John M. Pelton and K. L. Hannah, ARO, Inc. The data analysis was completed on June 30, 1974, and the manuscript (ARO Control No. ARO-ETF-TR-75-93) was submitted for publication on June 25, 1975.

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DISCUSSION

A set of tables is presented that contain several thermodynamic properties of air and the exhaust gas from a turbine engine.

The tables were assembled to provide a readily available source of thermodynamic properties routinely used in hand calculations of turbine engine data. The properties include enthalpy, entropy, and specific heat at constant pressure. The properties were calculated using an air composition from Ref. 1 but modified to reduce the number of constituents to five for reduced computer calculation time. The composition used in these calculations is given as follows:

<u>Constituent</u>	<u>Fraction</u>
Nitrogen	0.78084
Oxygen	0.209476
Argon	0.00934
Carbon Dioxide	0.0003194
Neon	0.0000246

The molecular weight for this composition was defined as 28.9646. The fuel composition was defined as $C_nH_{1.95n}$ to represent the JP-4 grade of fuel currently in use in turbine engines.

The range of air properties is from 300 to 1800°R, and the pressure range is from 0.5 to 600 psia. The data are tabulated in temperature increments of 10°R and graduated pressure steps of 0.5 to 100 psia.

The data for exhaust gas ranges from a temperature of 600 to 4000°R, from a pressure of 0.5 to 600 psia, and a fuel-to-air ratio of 0.005 to 0.067. The temperature increments are 10°R for enthalpy and 100°R for entropy and specific heat.

The properties were calculated using the method of Ref. 2. The thermodynamic properties of the constituent gases were taken from Ref. 3 (argon and neon properties were taken from Ref. 4). Real gas effects were included in the calculation of the air properties

using the method of Ref. 5 and the virial coefficients for the constituents from Ref. 6. Chemical dissociation was included in the calculation of the exhaust gas properties at the higher temperatures.

A calculation was made using the method of Ref. 2 to determine the deviation in enthalpy when the fuel composition is considered to be $C_nH_{1.95n}$ and C_nH_{2n} . These tables were constructed considering the fuel composition to be best represented by $C_nH_{1.95n}$, whereas other tables of similar data were developed using a fuel composition of C_nH_{2n} . The results are shown in Fig. 1 and show the deviation to be approximately 0.1 percent. This deviation is considered negligible, and the use of these tables considering the fuel composition should give a better representation of the thermodynamic properties for turbine engine exhaust.

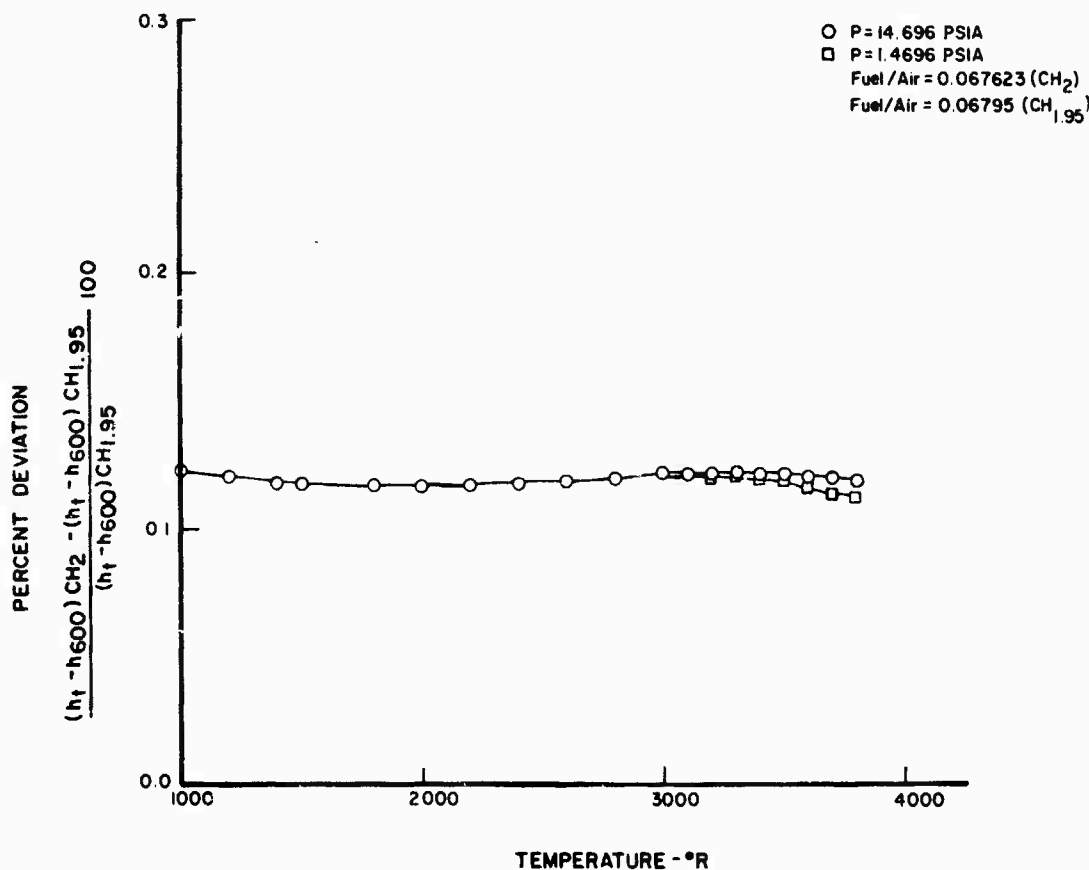


Figure 1. The percent deviation of the enthalpy as a function of temperature using a fuel composition CH_2 and $CH_{1.95}$.

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*Exhaust gas assumed to be non-dissociated over the temperature range from 600 to 2,730°R.

0.5 to 6.0 psia

**Table 1. Enthalpy of Air for Various Temperatures
and Pressures**

TEMPERATURE / PRESSURE (PSIA)	ENTHALPY									
DEGREES F	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
300.0	71.7077	71.6978	71.6878	71.6778	71.6678	71.6578	71.6478	71.6379	71.6179	71.5979
310.0	74.0984	74.0884	74.0784	74.0684	74.0584	74.0484	74.0384	74.0284	74.0139	73.9951
320.0	76.4901	76.4801	76.4701	76.4601	76.4501	76.4401	76.4301	76.4201	76.4056	76.3869
330.0	78.8818	78.8718	78.8618	78.8518	78.8418	78.8318	78.8218	78.8118	78.7973	78.7786
340.0	81.2735	81.2635	81.2535	81.2435	81.2335	81.2235	81.2135	81.2035	81.1890	81.1703
350.0	83.6652	83.6552	83.6452	83.6352	83.6252	83.6152	83.6052	83.5952	83.5807	83.5620
360.0	86.0569	86.0469	86.0369	86.0269	86.0169	86.0069	85.9969	85.9824	85.9637	85.9450
370.0	88.4486	88.4386	88.4286	88.4186	88.4086	88.3986	88.3886	88.3741	88.3554	88.3367
380.0	90.8403	90.8303	90.8203	90.8103	90.8003	90.7903	90.7803	90.7658	90.7471	90.7284
390.0	93.2320	93.2220	93.2120	93.2020	93.1920	93.1820	93.1720	93.1575	93.1388	93.1201
400.0	95.6237	95.6137	95.6037	95.5937	95.5837	95.5737	95.5637	95.5492	95.5305	95.5118
410.0	98.0154	98.0054	97.9954	97.9854	97.9754	97.9654	97.9554	97.9409	97.9222	97.9035
420.0	100.4071	100.3971	100.3871	100.3771	100.3671	100.3571	100.3471	100.3326	100.3139	100.2952
430.0	102.7988	102.7888	102.7788	102.7688	102.7588	102.7488	102.7388	102.7243	102.7056	102.6869
440.0	105.1905	105.1805	105.1705	105.1605	105.1505	105.1405	105.1305	105.1160	105.0973	105.0786
450.0	107.5822	107.5722	107.5622	107.5522	107.5422	107.5322	107.5222	107.5077	107.4890	107.4703
460.0	109.9739	109.9639	109.9539	109.9439	109.9339	109.9239	109.9139	109.8994	109.8807	109.8620
470.0	112.3656	112.3556	112.3456	112.3356	112.3256	112.3156	112.3056	112.2911	112.2724	112.2537
480.0	114.7573	114.7473	114.7373	114.7273	114.7173	114.7073	114.6973	114.6828	114.6641	114.6454
490.0	117.1490	117.1390	117.1290	117.1190	117.1090	117.0990	117.0890	117.0745	117.0558	117.0371
500.0	119.5407	119.5307	119.5207	119.5107	119.5007	119.4907	119.4807	119.4662	119.4475	119.4288
510.0	121.9324	121.9224	121.9124	121.9024	121.8924	121.8824	121.8724	121.8579	121.8392	121.8205
520.0	124.3241	124.3141	124.3041	124.2941	124.2841	124.2741	124.2641	124.2496	124.2309	124.2122
530.0	126.7158	126.7058	126.6958	126.6858	126.6758	126.6658	126.6558	126.6413	126.6226	126.6039
540.0	129.1075	129.0975	129.0875	129.0775	129.0675	129.0575	129.0475	129.0330	129.0143	128.9956
550.0	131.4992	131.4892	131.4792	131.4692	131.4592	131.4492	131.4392	131.4247	131.4060	131.3873
560.0	133.8909	133.8809	133.8709	133.8609	133.8509	133.8409	133.8309	133.8164	133.7977	133.7790
570.0	136.2826	136.2726	136.2626	136.2526	136.2426	136.2326	136.2226	136.2081	136.1894	136.1707
580.0	138.6743	138.6643	138.6543	138.6443	138.6343	138.6243	138.6143	138.5998	138.5811	138.5624
590.0	141.0660	141.0560	141.0460	141.0360	141.0260	141.0160	141.0060	140.9915	140.9728	140.9541
600.0	143.4577	143.4477	143.4377	143.4277	143.4177	143.4077	143.3977	143.3832	143.3645	143.3458
610.0	145.8494	145.8394	145.8294	145.8194	145.8094	145.7994	145.7894	145.7749	145.7562	145.7375
620.0	148.2411	148.2311	148.2211	148.2111	148.2011	148.1911	148.1811	148.1666	148.1479	148.1292
630.0	150.6328	150.6228	150.6128	150.6028	150.5928	150.5828	150.5728	150.5583	150.5396	150.5209
640.0	153.0245	153.0145	153.0045	152.9945	152.9845	152.9745	152.9645	152.9500	152.9313	152.9126
650.0	155.4162	155.4062	155.3962	155.3862	155.3762	155.3662	155.3562	155.3417	155.3230	155.3043
660.0	157.8079	157.7979	157.7879	157.7779	157.7679	157.7579	157.7479	157.7334	157.7147	157.6960
670.0	160.1996	160.1896	160.1796	160.1696	160.1596	160.1496	160.1396	160.1251	160.1064	160.0877
680.0	162.5913	162.5813	162.5713	162.5613	162.5513	162.5413	162.5313	162.5168	162.4981	162.4794
690.0	164.9830	164.9730	164.9630	164.9530	164.9430	164.9330	164.9230	164.9085	164.8898	164.8711
700.0	167.3747	167.3647	167.3547	167.3447	167.3347	167.3247	167.3147	167.3002	167.2815	167.2628
710.0	169.7664	169.7564	169.7464	169.7364	169.7264	169.7164	169.7064	169.6919	169.6732	169.6545
720.0	172.1581	172.1481	172.1381	172.1281	172.1181	172.1081	172.0981	172.0836	172.0649	172.0462
730.0	174.5498	174.5398	174.5298	174.5198	174.5098	174.4998	174.4898	174.4753	174.4566	174.4379
740.0	176.9415	176.9315	176.9215	176.9115	176.9015	176.8915	176.8815	176.8670	176.8483	176.8296
750.0	179.3332	179.3232	179.3132	179.3032	179.2932	179.2832	179.2732	179.2587	179.2400	179.2213
760.0	181.7249	181.7149	181.7049	181.6949	181.6849	181.6749	181.6649	181.6504	181.6317	181.6130
770.0	184.1166	184.1066	184.0966	184.0866	184.0766	184.0666	184.0566	184.0421	184.0234	184.0047
780.0	186.5083	186.4983	186.4883	186.4783	186.4683	186.4583	186.4483	186.4338	186.4151	186.3964
790.0	188.8999	188.8899	188.8799	188.8699	188.8599	188.8499	188.8399	188.8254	188.8067	188.7880
800.0	191.2916	191.2816	191.2716	191.2616	191.2516	191.2416	191.2316	191.2171	191.1984	191.1797
810.0	193.6833	193.6733	193.6633	193.6533	193.6433	193.6333	193.6233	193.6088	193.5901	193.5714
820.0	196.0750	196.0650	196.0550	196.0450	196.0350	196.0250	196.0150	195.9995	195.9808	195.9621
830.0	198.4667	198.4567	198.4467	198.4367	198.4267	198.4167	198.4067	198.3922	198.3735	198.3548
840.0	200.8584	200.8484	200.8384	200.8284	200.8184	200.8084	200.7984	200.7839	200.7652	200.7465
850.0	203.2501	203.2401	203.2301	203.2201	203.2101	203.2001	203.1901	203.1756	203.1569	203.1382

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TEMPERATURE / PRESSURE (PSIA)		ENTHALPY									
DEGREES R	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000	
1420.0	348.6292	348.6296	348.6301	348.6306	348.6311	348.6316	348.6319	348.6323	348.6333	348.6343	
1430.0	351.2468	351.2473	351.2478	351.2481	351.2484	351.2487	351.2490	351.2502	351.2510	351.2520	
1440.0	353.8642	353.8647	353.8651	353.8654	353.8656	353.8659	353.8661	353.8671	353.8679	353.8687	
1450.0	356.4817	356.4822	356.4825	356.4827	356.4829	356.4831	356.4833	356.4841	356.4846	356.4851	
1460.0	359.0992	359.0997	359.0999	359.1001	359.1003	359.1005	359.1007	359.1014	359.1019	359.1023	
1470.0	361.7167	361.7171	361.7173	361.7175	361.7177	361.7179	361.7181	361.7189	361.7193	361.7197	
1480.0	364.3342	364.3346	364.3348	364.3350	364.3352	364.3354	364.3356	364.3363	364.3367	364.3371	
1490.0	366.9517	366.9521	366.9523	366.9525	366.9527	366.9529	366.9531	366.9538	366.9542	366.9546	
1500.0	369.5692	369.5696	369.5698	369.5700	369.5702	369.5704	369.5706	369.5713	369.5717	369.5721	
1510.0	372.1867	372.1871	372.1873	372.1875	372.1877	372.1879	372.1881	372.1888	372.1892	372.1896	
1520.0	374.8042	374.8046	374.8048	374.8050	374.8052	374.8054	374.8056	374.8063	374.8067	374.8071	
1530.0	377.4217	377.4221	377.4223	377.4225	377.4227	377.4229	377.4231	377.4238	377.4242	377.4246	
1540.0	380.0392	380.0396	380.0398	380.0400	380.0402	380.0404	380.0406	380.0413	380.0417	380.0421	
1550.0	382.6567	382.6571	382.6573	382.6575	382.6577	382.6579	382.6581	382.6588	382.6592	382.6596	
1560.0	385.2742	385.2746	385.2748	385.2750	385.2752	385.2754	385.2756	385.2763	385.2767	385.2771	
1570.0	387.8917	387.8921	387.8923	387.8925	387.8927	387.8929	387.8931	387.8938	387.8942	387.8946	
1580.0	390.5092	390.5096	390.5098	390.5100	390.5102	390.5104	390.5106	390.5113	390.5117	390.5121	
1590.0	393.1267	393.1271	393.1273	393.1275	393.1277	393.1279	393.1281	393.1288	393.1292	393.1296	
1600.0	395.7442	395.7446	395.7448	395.7450	395.7452	395.7454	395.7456	395.7463	395.7467	395.7471	
1610.0	398.3617	398.3621	398.3623	398.3625	398.3627	398.3629	398.3631	398.3638	398.3642	398.3646	
1620.0	400.9792	400.9796	400.9798	400.9800	400.9802	400.9804	400.9806	400.9813	400.9817	400.9821	
1630.0	403.5967	403.5971	403.5973	403.5975	403.5977	403.5979	403.5981	403.5988	403.5992	403.5996	
1640.0	406.2142	406.2146	406.2148	406.2150	406.2152	406.2154	406.2156	406.2163	406.2167	406.2171	
1650.0	408.8317	408.8321	408.8323	408.8325	408.8327	408.8329	408.8331	408.8338	408.8342	408.8346	
1660.0	411.4492	411.4496	411.4498	411.4500	411.4502	411.4504	411.4506	411.4513	411.4517	411.4521	
1670.0	414.0667	414.0671	414.0673	414.0675	414.0677	414.0679	414.0681	414.0688	414.0692	414.0696	
1680.0	416.6842	416.6846	416.6848	416.6850	416.6852	416.6854	416.6856	416.6863	416.6867	416.6871	
1690.0	419.3017	419.3021	419.3023	419.3025	419.3027	419.3029	419.3031	419.3038	419.3042	419.3046	
1700.0	421.9192	421.9196	421.9198	421.9200	421.9202	421.9204	421.9206	421.9213	421.9217	421.9221	
1710.0	424.5367	424.5371	424.5373	424.5375	424.5377	424.5379	424.5381	424.5388	424.5392	424.5396	
1720.0	427.1542	427.1546	427.1548	427.1550	427.1552	427.1554	427.1556	427.1563	427.1567	427.1571	
1730.0	429.7717	429.7721	429.7723	429.7725	429.7727	429.7729	429.7731	429.7738	429.7742	429.7746	
1740.0	432.3892	432.3896	432.3898	432.3900	432.3902	432.3904	432.3906	432.3913	432.3917	432.3921	
1750.0	435.0067	435.0071	435.0073	435.0075	435.0077	435.0079	435.0081	435.0088	435.0092	435.0096	
1760.0	437.6242	437.6246	437.6248	437.6250	437.6252	437.6254	437.6256	437.6263	437.6267	437.6271	
1770.0	440.2417	440.2421	440.2423	440.2425	440.2427	440.2429	440.2431	440.2438	440.2442	440.2446	
1780.0	442.8592	442.8596	442.8598	442.8600	442.8602	442.8604	442.8606	442.8613	442.8617	442.8621	
1790.0	445.4767	445.4771	445.4773	445.4775	445.4777	445.4779	445.4781	445.4788	445.4792	445.4796	
1800.0	448.0942	448.0946	448.0948	448.0950	448.0952	448.0954	448.0956	448.0963	448.0967	448.0971	

7.0 to 15.0 psia

Table 1. Continued

ENTHALPY

TEMPERATURE / DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000
850.0	206.7505	206.7486	206.7467	206.7448	206.7429	206.7410	206.7391	206.7372	206.7353
870.0	209.1995	209.1977	209.1959	209.1941	209.1923	209.1904	209.1886	209.1868	209.1850
890.0	211.6356	211.6339	211.6321	211.6304	211.6287	211.6270	211.6253	211.6235	211.6218
910.0	214.0717	214.0699	214.0681	214.0663	214.0646	214.0630	214.0613	214.0597	214.0580
930.0	216.5082	216.5064	216.5046	216.5028	216.5011	216.5000	216.4982	216.4965	216.4948
950.0	218.9445	218.9427	218.9409	218.9391	218.9374	218.9357	218.9340	218.9323	218.9306
970.0	221.3808	221.3790	221.3772	221.3755	221.3737	221.3720	221.3703	221.3686	221.3669
990.0	223.8171	223.8153	223.8135	223.8118	223.8100	223.8083	223.8066	223.8049	223.8032
1010.0	226.2534	226.2516	226.2498	226.2481	226.2463	226.2446	226.2429	226.2412	226.2395
1030.0	228.6897	228.6879	228.6861	228.6844	228.6826	228.6809	228.6792	228.6775	228.6758
1050.0	231.1260	231.1242	231.1224	231.1207	231.1189	231.1172	231.1155	231.1138	231.1121
1070.0	233.5623	233.5605	233.5587	233.5570	233.5552	233.5535	233.5518	233.5501	233.5484
1090.0	236.0000	236.0000	236.0000	236.0000	236.0000	236.0000	236.0000	236.0000	236.0000
1110.0	238.4377	238.4359	238.4341	238.4324	238.4306	238.4289	238.4272	238.4255	238.4238
1130.0	240.8751	240.8733	240.8715	240.8698	240.8680	240.8663	240.8646	240.8629	240.8612
1150.0	243.3125	243.3107	243.3089	243.3072	243.3054	243.3037	243.3020	243.2999	243.2982
1170.0	245.7500	245.7482	245.7464	245.7447	245.7429	245.7412	245.7395	245.7378	245.7361
1190.0	248.1875	248.1857	248.1839	248.1822	248.1804	248.1787	248.1770	248.1753	248.1736
1210.0	250.6250	250.6232	250.6214	250.6197	250.6179	250.6162	250.6145	250.6128	250.6111
1230.0	253.0625	253.0607	253.0589	253.0572	253.0554	253.0537	253.0520	253.0503	253.0486
1250.0	255.5000	255.4982	255.4964	255.4947	255.4929	255.4912	255.4895	255.4878	255.4861
1270.0	257.9375	257.9357	257.9339	257.9322	257.9304	257.9287	257.9270	257.9253	257.9236
1290.0	260.3750	260.3732	260.3714	260.3697	260.3679	260.3662	260.3645	260.3628	260.3611
1310.0	262.8125	262.8107	262.8089	262.8072	262.8054	262.8037	262.8020	262.8003	262.7986
1330.0	265.2500	265.2482	265.2464	265.2447	265.2429	265.2412	265.2395	265.2378	265.2361
1350.0	267.6875	267.6857	267.6839	267.6822	267.6804	267.6787	267.6770	267.6753	267.6736
1370.0	270.1250	270.1232	270.1214	270.1197	270.1179	270.1162	270.1145	270.1128	270.1111
1390.0	272.5625	272.5607	272.5589	272.5572	272.5554	272.5537	272.5520	272.5503	272.5486
1410.0	275.0000	275.0000	275.0000	275.0000	275.0000	275.0000	275.0000	275.0000	275.0000

ENTHALPY

TEMPERATURE / PRESSURE (PSIA)	7,000	8,000	9,000	10,000	11,000	12,000	13,000	14,000	14,696	15,000
DEGREES R										
1420.0	348.6130	348.6160	348.6170	348.6177	348.6387	348.6396	348.6404	348.6414	348.6421	348.6423
1430.0	351.2529	351.2539	351.2549	351.2554	351.2564	351.2576	351.2584	351.2594	351.2600	351.2604
1440.0	353.8740	353.8750	353.8760	353.8770	353.8779	353.8787	353.8796	353.8806	353.8813	353.8816
1450.0	356.4976	356.4985	356.4995	356.5005	356.5015	356.5024	356.5034	356.5044	356.5051	356.5054
1460.0	359.1243	359.1253	359.1265	359.1274	359.1284	359.1294	359.1304	359.1313	359.1321	359.1323
1470.0	361.7537	361.7546	361.7559	361.7564	361.7574	361.7584	361.7594	361.7610	361.7617	361.7620
1480.0	364.3865	364.3875	364.3887	364.3896	364.3906	364.3918	364.3928	364.3945	364.3958	364.3968
1490.0	367.0220	367.0229	367.0242	367.0251	367.0261	367.0273	367.0283	367.0295	367.0303	367.0305
1500.0	369.6602	369.6614	369.6624	369.6636	369.6648	369.6658	369.6670	369.6680	369.6687	369.6692
1510.0	372.3020	372.3032	372.3042	372.3054	372.3066	372.3076	372.3084	372.3101	372.3108	372.3110
1520.0	374.9450	374.9470	374.9482	374.9495	374.9507	374.9517	374.9529	374.9541	374.9549	374.9553
1530.0	377.5935	377.5947	377.5959	377.5972	377.5984	377.5996	377.6008	377.6018	377.6024	377.6030
1540.0	380.2439	380.2451	380.2463	380.2476	380.2488	380.2500	380.2512	380.2524	380.2532	380.2537
1550.0	382.8972	382.8984	382.8997	382.9009	382.9021	382.9033	382.9045	382.9058	382.9067	382.9070
1560.0	385.5532	385.5547	385.5559	385.5571	385.5583	385.5596	385.5608	385.5620	385.5630	385.5632
1570.0	388.2124	388.2136	388.2148	388.2163	388.2175	388.2184	388.2200	388.2214	388.2222	388.2227
1580.0	390.8743	390.8760	390.8772	390.8787	390.8799	390.8811	390.8826	390.8838	390.8848	390.8850
1590.0	393.5344	393.5361	393.5372	393.5387	393.5409	393.5461	393.5476	393.5488	393.5498	393.5503
1600.0	396.2040	396.2052	396.2107	396.2119	396.2134	396.2146	396.2161	396.2173	396.2182	396.2188
1610.0	398.8749	398.8761	398.8816	398.8828	398.8843	398.8855	398.8870	398.8884	398.8892	398.8896
1620.0	401.5527	401.5542	401.5554	401.5569	401.5583	401.5596	401.5610	401.5625	401.5635	401.5637
1630.0	404.2297	404.2310	404.2324	404.2339	404.2354	404.2366	404.2380	404.2395	404.2405	404.2410
1640.0	406.9094	406.9109	406.9124	406.9134	406.9153	406.9165	406.9180	406.9194	406.9204	406.9209
1650.0	409.5938	409.5948	409.5962	409.5967	409.5981	409.5994	409.6008	409.6023	409.6033	409.6038
1660.0	412.2774	412.2793	412.2808	412.2827	412.2832	412.2852	412.2866	412.2881	412.2891	412.2898
1670.0	414.9664	414.9683	414.9697	414.9712	414.9727	414.9741	414.9756	414.9773	414.9783	414.9784
1680.0	417.6544	417.6559	417.6574	417.6589	417.6603	417.6618	417.6632	417.6649	417.6659	417.6704
1690.0	420.3430	420.3445	420.3462	420.3477	420.3501	420.3606	420.3621	420.3638	420.3647	420.3652
1700.0	423.0304	423.0322	423.0337	423.0354	423.0369	423.0383	423.0398	423.0415	423.0425	423.0430
1710.0	425.7152	425.7169	425.7184	425.7199	425.7214	425.7230	425.7245	425.7262	425.7272	425.7277
1720.0	428.4048	428.4063	428.4078	428.4093	428.4108	428.4124	428.4141	428.4158	428.4168	428.4173
1730.0	431.0941	431.0958	431.0974	431.0989	431.1004	431.1020	431.1037	431.1054	431.1064	431.1069
1740.0	433.7834	433.7851	433.7867	433.7883	433.7899	433.7915	433.7931	433.7947	433.7957	433.7962
1750.0	436.4727	436.4743	436.4759	436.4775	436.4791	436.4807	436.4823	436.4839	436.4849	436.4854
1760.0	439.1620	439.1636	439.1652	439.1668	439.1684	439.1699	439.1715	439.1731	439.1741	439.1746
1770.0	441.8513	441.8529	441.8545	441.8561	441.8577	441.8593	441.8609	441.8625	441.8635	441.8640
1780.0	444.5406	444.5422	444.5438	444.5454	444.5470	444.5486	444.5502	444.5518	444.5528	444.5533
1790.0	447.2299	447.2315	447.2331	447.2347	447.2363	447.2379	447.2395	447.2411	447.2421	447.2426
1800.0	450.9192	450.9208	450.9224	450.9240	450.9256	450.9272	450.9288	450.9304	450.9314	450.9319

20.0 to 600.0 psia

Table 1. Concluded

ENTHALPY

TEMPERATURE DEGREES R	20.000	10.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
300.0	71.3174	11.1161	70.8141	70.7113	69.6849	67.5729	65.3110	63.0706	60.8603	58.6800
310.0	73.7301	13.5402	73.3495	73.1543	72.1919	70.2101	68.0562	65.8244	63.6121	61.4100
320.0	76.1428	15.9584	75.7884	75.5932	74.6040	72.5862	70.3886	68.1831	65.9933	63.8132
330.0	78.5555	18.3766	78.2246	78.0335	77.0914	75.0351	72.7831	70.5781	68.3966	66.2262
340.0	80.9682	20.7948	80.6347	80.4436	79.6040	77.4917	75.2068	72.9877	70.7906	68.6052
350.0	83.3809	23.2130	83.0797	82.8886	82.1514	80.0026	77.6945	75.4631	73.2531	71.0590
360.0	85.7936	25.6312	85.5198	85.3287	84.6384	82.4499	80.1818	77.9312	75.6961	73.4761
370.0	88.2063	28.0494	87.9502	87.7591	87.1119	84.8966	82.5720	80.2729	77.9937	75.7298
380.0	90.6190	30.4676	90.3875	90.2064	89.6012	87.3450	84.9857	82.6563	80.3534	78.0695
390.0	93.0317	32.8858	92.7730	92.5919	92.0220	90.7450	88.4599	86.1666	83.8693	81.5864
400.0	95.4444	35.3040	95.1974	95.0163	94.4712	93.2547	90.9558	88.6588	86.3634	84.0765
410.0	97.8571	37.7222	97.6336	97.4525	96.9399	95.7798	93.4508	91.1252	88.8061	86.4922
420.0	100.2698	40.1404	100.0637	99.8826	99.3806	98.2732	95.8933	93.5134	91.1394	88.7725
430.0	102.6825	42.5586	102.5037	102.3226	101.7987	100.7405	98.3244	95.9006	93.4725	91.0444
440.0	105.0952	44.9768	104.9244	104.7433	104.2491	103.2373	100.7821	98.3244	95.8933	93.4725
450.0	107.5079	47.3950	107.3411	107.1599	106.7023	105.7341	103.2521	100.7821	98.3244	95.8933
460.0	109.9206	49.8132	109.7624	109.5812	109.1216	108.1944	105.7023	103.2521	100.7821	98.3244
470.0	112.3333	52.2314	112.1793	112.0000	111.5522	110.6637	108.1944	105.7023	103.2521	100.7821
480.0	114.7460	54.6496	114.5974	114.4261	113.9985	113.1466	110.7023	108.2521	105.8023	103.3521
490.0	117.1587	57.0678	117.0178	116.8533	116.4428	115.6256	113.2521	110.8023	108.3521	105.9023
500.0	119.5714	59.4860	119.4379	119.2728	118.8958	118.1014	115.7521	113.3521	110.9023	108.4023
510.0	121.9841	61.9042	121.8559	121.6940	121.3152	120.5623	118.2521	115.8521	113.4023	110.9521
520.0	124.3968	64.3224	124.2729	124.1209	123.7209	122.9977	120.8521	118.3521	115.9023	113.0023
530.0	126.8095	66.7406	126.6913	126.5259	126.1530	125.4581	123.2521	120.9023	118.4023	115.0521
540.0	129.2222	69.1588	129.1095	128.9501	128.5936	127.9257	125.7521	123.3521	120.9521	118.1023
550.0	131.6349	71.5770	131.5271	131.3749	131.0010	130.3589	128.2521	125.8023	123.4023	120.1521
560.0	134.0476	73.9952	133.9450	133.7928	133.4166	132.7991	130.9521	128.3521	125.9023	123.2023
570.0	136.4603	76.4134	136.3628	136.2154	135.8507	135.2649	133.1000	130.9521	128.3521	125.2521
580.0	138.8730	78.8316	138.7804	138.6384	138.2981	137.7248	135.5521	133.2521	130.9521	127.3023
590.0	141.2857	81.2498	141.2054	141.0689	140.7263	140.1766	138.0023	135.6023	133.3023	129.3521
600.0	143.6984	83.6680	143.5825	143.4471	143.1055	142.5215	140.3521	138.0521	135.6521	131.4023
610.0	146.1111	86.0862	146.0155	145.8811	145.5534	145.0448	143.1023	140.4023	138.1023	133.4521
620.0	148.5238	88.5044	148.4333	148.3037	147.9830	147.4892	145.5521	143.1521	140.4521	135.5023
630.0	150.9365	90.9226	150.8471	150.7225	150.4251	149.9536	148.0023	145.6023	142.5023	137.5521
640.0	153.3492	93.3408	153.2624	153.1432	152.8005	152.4068	150.4521	148.0521	145.5521	139.6023
650.0	155.7619	95.7590	155.6851	155.5713	155.2052	154.8586	152.9023	150.5023	148.1023	141.6521
660.0	158.1746	98.1772	158.1029	157.9943	157.7295	157.3021	155.9521	153.5521	150.6023	143.7023
670.0	160.5873	100.5954	160.5244	160.4210	160.1582	159.7539	158.3521	155.9521	153.6023	145.7521
680.0	162.9999	103.0136	162.9407	162.8414	162.5843	162.1753	160.7521	158.3521	156.6521	147.8023
690.0	165.4126	105.4318	165.3662	165.2719	165.0209	164.6190	163.2521	160.8023	158.7023	149.8521
700.0	167.8253	107.8500	167.7868	167.6984	167.4523	167.0444	165.7521	162.8521	160.8521	151.9023
710.0	170.2380	110.2682	170.2047	170.1213	169.8829	169.5168	168.2521	165.9023	162.9023	153.9521
720.0	172.6507	112.6864	172.6224	172.5390	172.3012	171.9684	170.7521	168.0023	165.9521	156.0023
730.0	175.0634	115.1046	175.0351	174.9517	174.7391	174.4192	173.2521	170.0521	168.0023	158.0521
740.0	177.4761	117.5228	177.4478	177.3644	177.1272	176.8699	175.7521	172.1023	170.1023	160.1023
750.0	179.8888	119.9410	179.8628	179.7794	179.6227	179.3274	178.2521	174.1521	172.1521	162.1521
760.0	182.3015	122.3592	182.2681	182.2081	182.0641	181.7806	180.8023	176.2023	174.2023	164.2023
770.0	184.7142	124.7774	184.6928	184.6464	184.5164	184.2267	183.3521	178.2521	176.2521	166.2521
780.0	187.1269	127.1956	187.1102	187.0734	186.9407	186.6497	185.8521	180.3521	178.3521	168.3521
790.0	189.5396	129.6138	189.5366	189.5110	189.3837	189.1333	188.8888	187.5023	185.5023	170.4023
800.0	191.9523	132.0320	191.9534	191.9388	191.8267	191.5864	191.3521	190.0023	188.0023	172.4521
810.0	194.3650	134.4502	194.3734	194.3660	194.2690	194.0393	193.8151	192.4521	190.4521	174.5023
820.0	196.7777	136.8684	196.7904	196.7864	196.7360	196.5161	196.3014	194.9521	192.9521	176.5521
830.0	199.1904	139.2866	199.2031	199.2034	199.2032	199.1928	199.1878	197.7521	195.7521	178.6023
840.0	201.6031	141.7048	201.6165	201.6167	201.6163	201.6163	201.6163	200.2023	198.2023	180.6521
850.0	204.0158	144.1230	204.0284	204.0284	204.0284	204.0284	204.0284	202.7521	200.7521	182.7023

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TEMPERATURE / PRESSURE (PSIA)		ENTHALPY									
TEMPERATURE DEGREES	W	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
860.0	206.7254	206.7068	206.6819	206.6590	206.6375	206.6161	206.5950	206.5741	206.5533	206.5325	206.5118
870.0	209.1753	209.1579	209.1398	209.1218	209.1038	209.0858	209.0678	209.0498	209.0318	209.0138	208.9958
880.0	211.6131	211.5959	211.5787	211.5615	211.5443	211.5271	211.5099	211.4927	211.4755	211.4583	211.4411
890.0	214.0744	214.0572	214.0400	214.0228	214.0056	213.9884	213.9712	213.9540	213.9368	213.9196	213.9024
900.0	216.5609	216.5437	216.5265	216.5093	216.4921	216.4749	216.4577	216.4405	216.4233	216.4061	216.3889
910.0	219.0761	219.0589	219.0417	219.0245	219.0073	218.9901	218.9729	218.9557	218.9385	218.9213	218.9041
920.0	221.6244	221.6072	221.5900	221.5728	221.5556	221.5384	221.5212	221.5040	221.4868	221.4696	221.4524
930.0	223.9657	223.9485	223.9313	223.9141	223.8969	223.8797	223.8625	223.8453	223.8281	223.8109	223.7937
940.0	226.4394	226.4222	226.4050	226.3878	226.3706	226.3534	226.3362	226.3190	226.3018	226.2846	226.2674
950.0	228.9965	228.9793	228.9621	228.9449	228.9277	228.9105	228.8933	228.8761	228.8589	228.8417	228.8245
960.0	231.5964	231.5792	231.5620	231.5448	231.5276	231.5104	231.4932	231.4760	231.4588	231.4416	231.4244
970.0	233.8794	233.8622	233.8450	233.8278	233.8106	233.7934	233.7762	233.7590	233.7418	233.7246	233.7074
980.0	236.3649	236.3477	236.3305	236.3133	236.2961	236.2789	236.2617	236.2445	236.2273	236.2101	236.1929
990.0	238.8535	238.8363	238.8191	238.8019	238.7847	238.7675	238.7503	238.7331	238.7159	238.6987	238.6815
1000.0	241.3452	241.3280	241.3108	241.2936	241.2764	241.2592	241.2420	241.2248	241.2076	241.1904	241.1732
1010.0	243.8397	243.8225	243.8053	243.7881	243.7709	243.7537	243.7365	243.7193	243.7021	243.6849	243.6677
1020.0	246.3372	246.3200	246.3028	246.2856	246.2684	246.2512	246.2340	246.2168	246.1996	246.1824	246.1652
1030.0	248.8377	248.8205	248.8033	248.7861	248.7689	248.7517	248.7345	248.7173	248.6999	248.6827	248.6655
1040.0	251.3411	251.3239	251.3067	251.2895	251.2723	251.2551	251.2379	251.2207	251.2035	251.1863	251.1691
1050.0	253.8471	253.8300	253.8128	253.7956	253.7784	253.7612	253.7440	253.7268	253.7096	253.6924	253.6752
1060.0	256.3564	256.3392	256.3220	256.3048	256.2876	256.2704	256.2532	256.2360	256.2188	256.2016	256.1844
1070.0	258.8684	258.8512	258.8340	258.8168	258.7996	258.7824	258.7652	258.7480	258.7308	258.7136	258.6964
1080.0	261.3833	261.3661	261.3489	261.3317	261.3145	261.2973	261.2801	261.2629	261.2457	261.2285	261.2113
1090.0	263.9014	263.8842	263.8670	263.8498	263.8326	263.8154	263.7982	263.7810	263.7638	263.7466	263.7294
1100.0	266.4224	266.4052	266.3880	266.3708	266.3536	266.3364	266.3192	266.3020	266.2848	266.2676	266.2504
1110.0	268.9463	268.9291	268.9119	268.8947	268.8775	268.8603	268.8431	268.8259	268.8087	268.7915	268.7743
1120.0	271.4734	271.4562	271.4390	271.4218	271.4046	271.3874	271.3702	271.3530	271.3358	271.3186	271.3014
1130.0	274.0029	273.9857	273.9685	273.9513	273.9341	273.9169	273.8997	273.8825	273.8653	273.8481	273.8309
1140.0	276.5356	276.5184	276.5012	276.4840	276.4668	276.4496	276.4324	276.4152	276.3980	276.3808	276.3636
1150.0	279.0713	279.0541	279.0369	279.0197	278.9999	278.9827	278.9655	278.9483	278.9311	278.9139	278.8967
1160.0	281.6101	281.5929	281.5757	281.5585	281.5413	281.5241	281.5069	281.4897	281.4725	281.4553	281.4381
1170.0	284.1514	284.1342	284.1170	284.1000	284.0828	284.0656	284.0484	284.0312	284.0140	283.9968	283.9796
1180.0	286.6958	286.6786	286.6614	286.6442	286.6270	286.6098	286.5926	286.5754	286.5582	286.5410	286.5238
1190.0	289.2434	289.2262	289.2090	289.1918	289.1746	289.1574	289.1402	289.1230	289.1058	289.0886	289.0714
1200.0	291.7937	291.7765	291.7593	291.7421	291.7249	291.7077	291.6905	291.6733	291.6561	291.6389	291.6217
1210.0	294.3469	294.3297	294.3125	294.2953	294.2781	294.2609	294.2437	294.2265	294.2093	294.1921	294.1749
1220.0	296.9033	296.8861	296.8689	296.8517	296.8345	296.8173	296.7999	296.7827	296.7655	296.7483	296.7311
1230.0	299.4626	299.4454	299.4282	299.4110	299.3938	299.3766	299.3594	299.3422	299.3250	299.3078	299.2906
1240.0	302.0244	302.0072	301.9900	301.9728	301.9556	301.9384	301.9212	301.9040	301.8868	301.8696	301.8524
1250.0	304.5894	304.5722	304.5550	304.5378	304.5206	304.5034	304.4862	304.4690	304.4518	304.4346	304.4174
1260.0	307.1575	307.1403	307.1231	307.1059	307.0887	307.0715	307.0543	307.0371	307.0199	306.9999	306.9827
1270.0	309.7288	309.7116	309.6944	309.6772	309.6600	309.6428	309.6256	309.6084	309.5912	309.5740	309.5568
1280.0	312.3025	312.2853	312.2681	312.2509	312.2337	312.2165	312.1993	312.1821	312.1649	312.1477	312.1305
1290.0	314.8794	314.8622	314.8450	314.8278	314.8106	314.7934	314.7762	314.7590	314.7418	314.7246	314.7074
1300.0	317.4595	317.4423	317.4251	317.4079	317.3907	317.3735	317.3563	317.3391	317.3219	317.3047	317.2875
1310.0	320.0429	320.0257	320.0085	319.9913	319.9741	319.9569	319.9397	319.9225	319.9053	319.8881	319.8709
1320.0	322.6277	322.6105	322.5933	322.5761	322.5589	322.5417	322.5245	322.5073	322.4901	322.4729	322.4557
1330.0	325.2163	325.1991	325.1819	325.1647	325.1475	325.1303	325.1131	325.0959	325.0787	325.0615	325.0443
1340.0	327.8081	327.7909	327.7737	327.7565	327.7393	327.7221	327.7049	327.6877	327.6705	327.6533	327.6361
1350.0	330.4028	330.3856	330.3684	330.3512	330.3340	330.3168	330.2996	330.2824	330.2652	330.2480	330.2308
1360.0	333.0002	332.9830	332.9658	332.9486	332.9314	332.9142	332.8970	332.8798	332.8626	332.8454	332.8282
1370.0	335.6004	335.5832	335.5660	335.5488	335.5316	335.5144	335.4972	335.4800	335.4628	335.4456	335.4284
1380.0	338.2039	338.1867	338.1695	338.1523	338.1351	338.1179	338.1007	338.0835	338.0663	338.0491	338.0319
1390.0	340.8103	340.7931	340.7759	340.7587	340.7415	340.7243	340.7071	340.6899	340.6727	340.6555	340.6383
1400.0	343.4197	343.4025	343.3853	343.3681	343.3509	343.3337	343.3165	343.2993	343.2821	343.2649	343.2477
1410.0	346.0320	346.0148	345.9976	345.9804	345.9632	345.9460	345.9288	345.9116	345.8944	345.8772	345.8600

ENTHALPY

TEMPERATURE / PRESSURE (PSIA)	20,000	30,000	40,000	50,000	100,000	200,000	300,000	40,000	500,000	600,000
1420.0	348.6487	348.6558	348.6648	348.6738	348.7195	348.8120	348.9041	349.0022	349.0999	349.1990
1430.0	351.2461	351.2532	351.2622	351.2712	351.3169	351.4120	351.5081	351.6069	351.7050	351.8028
1440.0	353.8455	353.8525	353.8615	353.8705	353.9162	354.0118	354.1081	354.2062	354.3042	354.4019
1450.0	356.4403	356.4473	356.4563	356.4653	356.5110	356.6066	356.7031	356.8012	356.9000	357.0000
1460.0	359.0375	359.0445	359.0535	359.0625	359.1082	359.2038	359.3003	359.3984	359.4964	359.5947
1470.0	361.6361	361.6431	361.6521	361.6611	361.7068	361.8024	361.8990	362.0000	362.1000	362.2000
1480.0	364.2361	364.2431	364.2521	364.2611	364.3068	364.4024	364.5000	364.6000	364.7000	364.8000
1490.0	366.8379	366.8449	366.8539	366.8629	366.9086	367.0042	367.1000	367.2000	367.3000	367.4000
1500.0	369.4408	369.4478	369.4568	369.4658	369.5115	369.6071	369.7038	369.8000	369.9000	370.0000
1510.0	372.0449	372.0519	372.0609	372.0699	372.1156	372.2112	372.3079	372.4000	372.5000	372.6000
1520.0	374.6500	374.6570	374.6660	374.6750	374.7207	374.8163	374.9130	375.0000	375.1000	375.2000
1530.0	377.2561	377.2631	377.2721	377.2811	377.3268	377.4224	377.5191	377.6000	377.7000	377.8000
1540.0	380.8622	380.8692	380.8782	380.8872	380.9329	381.0285	381.1252	381.2000	381.3000	381.4000
1550.0	383.4683	383.4753	383.4843	383.4933	383.5390	383.6346	383.7313	383.8000	383.9000	384.0000
1560.0	386.0744	386.0814	386.0904	386.0994	386.1451	386.2407	386.3374	386.4000	386.5000	386.6000
1570.0	388.6805	388.6875	388.6965	388.7055	388.7512	388.8468	388.9435	389.0000	389.1000	389.2000
1580.0	391.2866	391.2936	391.3026	391.3116	391.3573	391.4529	391.5496	391.6000	391.7000	391.8000
1590.0	393.8927	393.9000	393.9090	393.9180	393.9637	394.0593	394.1560	394.2000	394.3000	394.4000
1600.0	396.4988	396.5058	396.5148	396.5238	396.5695	396.6651	396.7618	396.8000	396.9000	397.0000
1610.0	399.1049	399.1119	399.1209	399.1299	399.1756	399.2712	399.3679	399.4000	399.5000	399.6000
1620.0	401.7110	401.7180	401.7270	401.7360	401.7817	401.8773	401.9740	402.0000	402.1000	402.2000
1630.0	404.3171	404.3241	404.3331	404.3421	404.3878	404.4834	404.5801	404.6000	404.7000	404.8000
1640.0	406.9232	406.9302	406.9392	406.9482	406.9939	407.0895	407.1862	407.2000	407.3000	407.4000
1650.0	409.5293	409.5363	409.5453	409.5543	409.5999	409.6955	409.7922	409.8000	409.9000	410.0000
1660.0	412.1354	412.1424	412.1514	412.1604	412.2061	412.3017	412.3984	412.4000	412.5000	412.6000
1670.0	414.7415	414.7485	414.7575	414.7665	414.8122	414.9078	415.0045	415.0000	415.1000	415.2000
1680.0	417.3476	417.3546	417.3636	417.3726	417.4183	417.5139	417.6106	417.6000	417.7000	417.8000
1690.0	420.9537	420.9607	420.9697	420.9787	421.0244	421.1200	421.2167	421.2000	421.3000	421.4000
1700.0	423.5598	423.5668	423.5758	423.5848	423.6305	423.7261	423.8228	423.8000	423.9000	424.0000
1710.0	426.1659	426.1729	426.1819	426.1909	426.2366	426.3322	426.4289	426.4000	426.5000	426.6000
1720.0	428.7720	428.7790	428.7880	428.7970	428.8427	428.9383	429.0350	429.0000	429.1000	429.2000
1730.0	431.3781	431.3851	431.3941	431.4031	431.4488	431.5444	431.6411	431.6000	431.7000	431.8000
1740.0	433.9842	433.9912	433.1002	433.1092	433.1549	433.2505	433.3472	433.3000	433.4000	433.5000
1750.0	436.5903	436.5973	436.6063	436.6153	436.6610	436.7566	436.8533	436.8000	436.9000	437.0000
1760.0	439.1964	439.2034	439.2124	439.2214	439.2671	439.3627	439.4594	439.4000	439.5000	439.6000
1770.0	441.8025	441.8095	441.8185	441.8275	441.8732	441.9688	442.0655	442.0000	442.1000	442.2000
1780.0	444.4086	444.4156	444.4246	444.4336	444.4793	444.5749	444.6716	444.6000	444.7000	444.8000
1790.0	447.0147	447.0217	447.0307	447.0397	447.0854	447.1810	447.2777	447.2000	447.3000	447.4000
1800.0	450.6208	450.6278	450.6368	450.6458	450.6915	450.7871	450.8838	450.8000	450.9000	451.0000

0.5 to 6.0 psia

**Table 2. Entropy of Air for Various Temperatures
and Pressures**

TEMPERATURE / PRESSURE (PSIA)	R	ENTROPY									
		0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
300.0	1.7312	1.6558	1.6360	1.6207	1.6082	1.5976	1.5884	1.5793	1.5700	1.5605	1.5500
310.0	1.7396	1.6642	1.6444	1.6291	1.6166	1.6060	1.5968	1.5875	1.5782	1.5689	1.5584
320.0	1.7477	1.6701	1.6503	1.6350	1.6225	1.6119	1.6026	1.5933	1.5840	1.5747	1.5642
330.0	1.7554	1.6778	1.6580	1.6427	1.6302	1.6196	1.6103	1.6010	1.5917	1.5824	1.5729
340.0	1.7626	1.6851	1.6653	1.6499	1.6374	1.6268	1.6175	1.6082	1.5989	1.5896	1.5803
350.0	1.7695	1.6920	1.6722	1.6568	1.6443	1.6337	1.6244	1.6151	1.6058	1.5965	1.5872
360.0	1.7759	1.6984	1.6786	1.6632	1.6507	1.6401	1.6308	1.6215	1.6122	1.6029	1.5936
370.0	1.7821	1.7045	1.6847	1.6693	1.6568	1.6462	1.6369	1.6276	1.6183	1.6090	1.5997
380.0	1.7881	1.7105	1.6907	1.6753	1.6628	1.6522	1.6429	1.6336	1.6243	1.6150	1.6057
390.0	1.7941	1.7165	1.6967	1.6813	1.6688	1.6582	1.6489	1.6396	1.6303	1.6210	1.6117
400.0	1.8000	1.7224	1.7026	1.6872	1.6747	1.6641	1.6548	1.6455	1.6362	1.6269	1.6176
410.0	1.8059	1.7283	1.7085	1.6931	1.6806	1.6700	1.6607	1.6514	1.6421	1.6328	1.6235
420.0	1.8115	1.7339	1.7141	1.6987	1.6862	1.6756	1.6663	1.6570	1.6477	1.6384	1.6291
430.0	1.8172	1.7396	1.7198	1.7044	1.6919	1.6813	1.6720	1.6627	1.6534	1.6441	1.6348
440.0	1.8228	1.7452	1.7254	1.7100	1.6975	1.6869	1.6776	1.6683	1.6590	1.6497	1.6404
450.0	1.8283	1.7507	1.7309	1.7155	1.7030	1.6924	1.6831	1.6738	1.6645	1.6552	1.6459
460.0	1.8338	1.7562	1.7364	1.7210	1.7085	1.6979	1.6886	1.6793	1.6700	1.6607	1.6514
470.0	1.8394	1.7617	1.7419	1.7265	1.7140	1.7034	1.6941	1.6848	1.6755	1.6662	1.6569
480.0	1.8449	1.7672	1.7474	1.7320	1.7195	1.7089	1.7000	1.6907	1.6814	1.6721	1.6628
490.0	1.8504	1.7727	1.7529	1.7375	1.7250	1.7144	1.7051	1.6958	1.6865	1.6772	1.6679
500.0	1.8559	1.7782	1.7584	1.7430	1.7305	1.7200	1.7107	1.7014	1.6921	1.6828	1.6735
510.0	1.8614	1.7837	1.7639	1.7485	1.7360	1.7254	1.7161	1.7068	1.6975	1.6882	1.6789
520.0	1.8669	1.7892	1.7694	1.7540	1.7415	1.7309	1.7216	1.7123	1.7030	1.6937	1.6844
530.0	1.8724	1.7947	1.7749	1.7595	1.7470	1.7364	1.7271	1.7178	1.7085	1.6992	1.6899
540.0	1.8779	1.7999	1.7801	1.7647	1.7522	1.7416	1.7323	1.7230	1.7137	1.7044	1.6951
550.0	1.8834	1.8053	1.7855	1.7701	1.7576	1.7470	1.7377	1.7284	1.7191	1.7098	1.6995
560.0	1.8889	1.8108	1.7910	1.7756	1.7631	1.7525	1.7432	1.7339	1.7246	1.7153	1.7060
570.0	1.8944	1.8163	1.7965	1.7811	1.7686	1.7580	1.7487	1.7394	1.7301	1.7208	1.7115
580.0	1.8999	1.8218	1.8020	1.7866	1.7741	1.7635	1.7542	1.7449	1.7356	1.7263	1.7170
590.0	1.9054	1.8273	1.8075	1.7921	1.7796	1.7690	1.7597	1.7504	1.7411	1.7318	1.7225
600.0	1.9109	1.8328	1.8130	1.7976	1.7851	1.7745	1.7652	1.7559	1.7466	1.7373	1.7280
610.0	1.9164	1.8383	1.8185	1.8031	1.7906	1.7800	1.7707	1.7614	1.7521	1.7428	1.7335
620.0	1.9219	1.8438	1.8240	1.8086	1.7961	1.7855	1.7762	1.7669	1.7576	1.7483	1.7390
630.0	1.9274	1.8493	1.8295	1.8141	1.8016	1.7910	1.7817	1.7724	1.7631	1.7538	1.7445
640.0	1.9329	1.8548	1.8350	1.8196	1.8071	1.7965	1.7872	1.7779	1.7686	1.7593	1.7500
650.0	1.9384	1.8603	1.8405	1.8251	1.8126	1.8020	1.7927	1.7834	1.7741	1.7648	1.7555
660.0	1.9439	1.8658	1.8460	1.8306	1.8181	1.8075	1.7982	1.7889	1.7796	1.7703	1.7610
670.0	1.9494	1.8713	1.8515	1.8361	1.8236	1.8130	1.8037	1.7944	1.7851	1.7758	1.7665
680.0	1.9549	1.8768	1.8570	1.8416	1.8291	1.8185	1.8092	1.7999	1.7906	1.7813	1.7720
690.0	1.9604	1.8823	1.8625	1.8471	1.8346	1.8240	1.8147	1.8054	1.7961	1.7868	1.7775
700.0	1.9659	1.8878	1.8680	1.8526	1.8401	1.8295	1.8202	1.8109	1.8016	1.7923	1.7830
710.0	1.9714	1.8933	1.8735	1.8581	1.8456	1.8350	1.8257	1.8164	1.8071	1.7978	1.7885
720.0	1.9769	1.8988	1.8790	1.8636	1.8511	1.8405	1.8312	1.8219	1.8126	1.8033	1.7940
730.0	1.9824	1.9043	1.8845	1.8691	1.8566	1.8460	1.8367	1.8274	1.8181	1.8088	1.7995
740.0	1.9879	1.9098	1.8900	1.8746	1.8621	1.8515	1.8422	1.8329	1.8236	1.8143	1.8050
750.0	1.9934	1.9153	1.8955	1.8801	1.8676	1.8570	1.8477	1.8384	1.8291	1.8198	1.8105
760.0	1.9989	1.9208	1.9010	1.8856	1.8731	1.8625	1.8532	1.8439	1.8346	1.8253	1.8160
770.0	2.0044	1.9263	1.9065	1.8911	1.8786	1.8680	1.8587	1.8494	1.8401	1.8308	1.8215
780.0	2.0099	1.9318	1.9120	1.8966	1.8841	1.8735	1.8642	1.8549	1.8456	1.8363	1.8270
790.0	2.0154	1.9373	1.9175	1.9021	1.8896	1.8790	1.8697	1.8604	1.8511	1.8418	1.8325
800.0	2.0209	1.9428	1.9230	1.9076	1.8951	1.8845	1.8752	1.8659	1.8566	1.8473	1.8380
810.0	2.0264	1.9483	1.9285	1.9131	1.9006	1.8900	1.8807	1.8714	1.8621	1.8528	1.8435
820.0	2.0319	1.9538	1.9340	1.9186	1.9061	1.8955	1.8862	1.8769	1.8676	1.8583	1.8490
830.0	2.0374	1.9593	1.9395	1.9241	1.9116	1.9010	1.8917	1.8824	1.8731	1.8638	1.8545
840.0	2.0429	1.9648	1.9450	1.9296	1.9171	1.9065	1.8972	1.8879	1.8786	1.8693	1.8600
850.0	2.0484	1.9703	1.9505	1.9351	1.9226	1.9120	1.9027	1.8934	1.8841	1.8748	1.8655
860.0	2.0539	1.9758	1.9560	1.9406	1.9281	1.9175	1.9082	1.8989	1.8896	1.8803	1.8710
870.0	2.0594	1.9813	1.9615	1.9461	1.9336	1.9230	1.9137	1.9044	1.8951	1.8858	1.8765
880.0	2.0649	1.9868	1.9670	1.9516	1.9391	1.9285	1.9192	1.9099	1.9006	1.8913	1.8820
890.0	2.0704	1.9923	1.9725	1.9571	1.9446	1.9340	1.9247	1.9154	1.9061	1.8968	1.8875
900.0	2.0759	1.9978	1.9780	1.9626	1.9501	1.9395	1.9302	1.9209	1.9116	1.9023	1.8930
910.0	2.0814	2.0033	1.9835	1.9681	1.9556	1.9450	1.9357	1.9264	1.9171	1.9078	1.8985
920.0	2.0869	2.0088	1.9890	1.9736	1.9611	1.9505	1.9412	1.9319	1.9226	1.9133	1.9040
930.0	2.0924	2.0143	1.9945	1.9791	1.9666	1.9560	1.9467	1.9374	1.9281	1.9188	1.9095
940.0	2.0979	2.0198	1.9999	1.9845	1.9720	1.9614	1.9521	1.9428	1.9335	1.9242	1.9149
950.0	2.1034	2.0253	2.0055	1.9901	1.9776	1.9670	1.9577	1.9484	1.9391	1.9298	1.9205
960.0	2.1089	2.0308	2.0110	1.9956	1.9831	1.9725	1.9632	1.9539	1.9446	1.9353	1.9260
970.0	2.1144	2.0363	2.0165	2.0011	1.9886	1.9780	1.9687	1.9594	1.9501	1.9408	1.9315
980.0	2.1199	2.0418	2.0220	2.0066	1.9941	1.9835	1.9742	1.9649	1.9556	1.9463	1.9370
990.0	2.1254	2.0473	2.0275	2.0121	1.9996	1.9890	1.9797	1.9704	1.9611	1.9518	1.9425
1000.0	2.1309	2.0528	2.0330	2.0176	2.0051	1.9945	1.9852	1.9759	1.9666	1.9573	1.9480

ENTROPY

TEMPERATURE / PRESS. (PSIA)	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
850.0	1.859	1.9106	1.8908	1.8755	1.8630	1.8524	1.8433	1.8280	1.8154
870.0	1.867	1.9134	1.8936	1.8783	1.8658	1.8552	1.8461	1.8308	1.8182
890.0	1.875	1.9215	1.8917	1.8764	1.8639	1.8533	1.8442	1.8289	1.8163
910.0	1.883	1.9295	1.9000	1.8847	1.8722	1.8616	1.8525	1.8372	1.8246
930.0	1.891	1.9375	1.9080	1.8927	1.8802	1.8696	1.8605	1.8452	1.8326
950.0	1.899	1.9455	1.9160	1.8907	1.8782	1.8676	1.8585	1.8432	1.8306
970.0	1.907	1.9535	1.9240	1.8987	1.8862	1.8756	1.8665	1.8512	1.8386
990.0	1.915	1.9615	1.9320	1.9067	1.8942	1.8836	1.8745	1.8592	1.8466
1010.0	1.923	1.9695	1.9400	1.9147	1.9022	1.8916	1.8825	1.8672	1.8546
1030.0	1.931	1.9775	1.9480	1.9227	1.9102	1.8996	1.8905	1.8752	1.8626
1050.0	1.939	1.9855	1.9560	1.9307	1.9182	1.9076	1.8985	1.8832	1.8706
1070.0	1.947	1.9935	1.9640	1.9387	1.9262	1.9156	1.9065	1.8912	1.8786
1090.0	1.955	1.9995	1.9700	1.9447	1.9322	1.9216	1.9125	1.8972	1.8846
1110.0	1.963	2.0075	1.9780	1.9527	1.9402	1.9296	1.9205	1.9052	1.8926
1130.0	1.971	2.0155	1.9860	1.9607	1.9482	1.9376	1.9285	1.9132	1.9006
1150.0	1.979	2.0235	1.9940	1.9687	1.9562	1.9456	1.9365	1.9212	1.9086
1170.0	1.987	2.0315	1.9960	1.9707	1.9582	1.9476	1.9385	1.9232	1.9106
1190.0	1.995	2.0395	1.9980	1.9727	1.9602	1.9496	1.9405	1.9252	1.9126
1210.0	2.003	2.0475	2.0000	1.9747	1.9622	1.9516	1.9425	1.9272	1.9146
1230.0	2.011	2.0555	2.0080	1.9827	1.9702	1.9596	1.9505	1.9352	1.9226
1250.0	2.019	2.0635	2.0160	1.9907	1.9782	1.9676	1.9585	1.9432	1.9306
1270.0	2.027	2.0715	2.0240	1.9987	1.9862	1.9756	1.9665	1.9512	1.9386
1290.0	2.035	2.0795	2.0320	2.0007	1.9882	1.9776	1.9685	1.9532	1.9406
1310.0	2.043	2.0875	2.0400	2.0087	1.9962	1.9856	1.9765	1.9612	1.9486
1330.0	2.051	2.0955	2.0480	2.0167	1.9992	1.9886	1.9795	1.9642	1.9516
1350.0	2.059	2.1035	2.0560	2.0247	2.0072	1.9966	1.9875	1.9722	1.9596
1370.0	2.067	2.1115	2.0640	2.0327	2.0152	2.0046	1.9955	1.9802	1.9676
1390.0	2.075	2.1195	2.0720	2.0407	2.0232	2.0126	2.0035	1.9882	1.9756
1410.0	2.083	2.1275	2.0800	2.0487	2.0312	2.0206	2.0115	1.9962	1.9836

TEMPERATURE / PRESSURE (PSIA)		ENTROPY									
DEGREES R		1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000	
1420.0	0.500	2.0648	2.0370	2.0173	2.0020	1.9895	1.9789	1.9697	1.9544	1.9419	
1430.0	2.1124	2.0667	2.0389	2.0191	2.0038	1.9913	1.9807	1.9716	1.9563	1.9437	
1440.0	2.1161	2.0685	2.0407	2.0209	2.0056	1.9931	1.9825	1.9734	1.9581	1.9456	
1450.0	2.1179	2.0703	2.0425	2.0228	2.0074	1.9949	1.9844	1.9752	1.9599	1.9474	
1460.0	2.1197	2.0721	2.0443	2.0246	2.0092	1.9967	1.9862	1.9770	1.9617	1.9492	
1470.0	2.1215	2.0739	2.0461	2.0263	2.0110	1.9985	1.9879	1.9788	1.9635	1.9510	
1480.0	2.1232	2.0757	2.0479	2.0281	2.0128	2.0003	1.9897	1.9806	1.9653	1.9527	
1490.0	2.1250	2.0774	2.0496	2.0299	2.0146	2.0021	1.9915	1.9823	1.9670	1.9545	
1500.0	2.1268	2.0792	2.0514	2.0316	2.0163	2.0038	1.9932	1.9841	1.9688	1.9563	
1510.0	2.1285	2.0809	2.0531	2.0333	2.0180	2.0055	1.9950	1.9858	1.9705	1.9580	
1520.0	2.1302	2.0827	2.0549	2.0351	2.0198	2.0073	1.9967	1.9875	1.9723	1.9598	
1530.0	2.1320	2.0844	2.0566	2.0369	2.0215	2.0090	1.9985	1.9893	1.9740	1.9615	
1540.0	2.1337	2.0861	2.0583	2.0386	2.0233	2.0108	2.0002	1.9910	1.9757	1.9632	
1550.0	2.1354	2.0878	2.0600	2.0403	2.0250	2.0125	2.0019	1.9927	1.9774	1.9649	
1560.0	2.1371	2.0895	2.0617	2.0420	2.0267	2.0142	2.0036	1.9944	1.9791	1.9666	
1570.0	2.1388	2.0912	2.0634	2.0437	2.0284	2.0159	2.0053	1.9961	1.9808	1.9683	
1580.0	2.1405	2.0929	2.0651	2.0454	2.0301	2.0175	2.0070	1.9978	1.9825	1.9700	
1590.0	2.1421	2.0946	2.0668	2.0470	2.0317	2.0192	2.0086	1.9995	1.9842	1.9717	
1600.0	2.1438	2.0963	2.0684	2.0487	2.0334	2.0209	2.0103	2.0012	1.9858	1.9733	
1610.0	2.1455	2.0979	2.0701	2.0504	2.0351	2.0225	2.0120	2.0028	1.9875	1.9750	
1620.0	2.1471	2.0996	2.0718	2.0520	2.0367	2.0242	2.0136	2.0045	1.9892	1.9766	
1630.0	2.1488	2.1012	2.0734	2.0537	2.0384	2.0258	2.0153	2.0061	1.9908	1.9783	
1640.0	2.1504	2.1029	2.0750	2.0553	2.0400	2.0275	2.0169	2.0077	1.9924	1.9799	
1650.0	2.1521	2.1045	2.0767	2.0569	2.0416	2.0291	2.0185	2.0094	1.9941	1.9815	
1660.0	2.1537	2.1061	2.0783	2.0585	2.0432	2.0307	2.0202	2.0110	1.9957	1.9832	
1670.0	2.1553	2.1077	2.0799	2.0602	2.0449	2.0323	2.0218	2.0126	1.9973	1.9848	
1680.0	2.1569	2.1093	2.0815	2.0618	2.0465	2.0340	2.0234	2.0142	1.9989	1.9864	
1690.0	2.1585	2.1109	2.0831	2.0634	2.0481	2.0356	2.0250	2.0158	2.0005	1.9880	
1700.0	2.1601	2.1125	2.0847	2.0650	2.0497	2.0371	2.0266	2.0174	2.0021	1.9896	
1710.0	2.1617	2.1141	2.0863	2.0666	2.0512	2.0387	2.0282	2.0190	2.0037	1.9912	
1720.0	2.1633	2.1157	2.0879	2.0681	2.0528	2.0403	2.0297	2.0206	2.0053	1.9928	
1730.0	2.1648	2.1173	2.0895	2.0697	2.0544	2.0419	2.0313	2.0222	2.0069	1.9943	
1740.0	2.1664	2.1188	2.0910	2.0713	2.0560	2.0435	2.0329	2.0237	2.0084	1.9959	
1750.0	2.1680	2.1204	2.0926	2.0729	2.0575	2.0450	2.0345	2.0253	2.0100	1.9975	
1760.0	2.1695	2.1220	2.0942	2.0744	2.0591	2.0466	2.0360	2.0269	2.0116	1.9990	
1770.0	2.1711	2.1235	2.0957	2.0759	2.0607	2.0482	2.0376	2.0284	2.0131	2.0006	
1780.0	2.1726	2.1251	2.0973	2.0775	2.0622	2.0497	2.0391	2.0300	2.0147	2.0022	
1790.0	2.1742	2.1266	2.0988	2.0791	2.0638	2.0513	2.0407	2.0315	2.0162	2.0037	
1800.0	2.1757	2.1282	2.1004	2.0806	2.0653	2.0528	2.0422	2.0331	2.0178	2.0052	

Table 2. Continued

7.0 to 15.0 psia



TEMPERATURE / PRESSURE (PSIA)	ENTROPY														
	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000
300.0	1.5438	1.5406	1.5374	1.5342	1.5310	1.5278	1.5246	1.5214	1.5182	1.5150	1.5118	1.5086	1.5054	1.5022	1.4990
310.0	1.5483	1.5451	1.5419	1.5387	1.5355	1.5323	1.5291	1.5259	1.5227	1.5195	1.5163	1.5131	1.5099	1.5067	1.5035
320.0	1.5528	1.5496	1.5464	1.5432	1.5400	1.5368	1.5336	1.5304	1.5272	1.5240	1.5208	1.5176	1.5144	1.5112	1.5080
330.0	1.5573	1.5541	1.5509	1.5477	1.5445	1.5413	1.5381	1.5349	1.5317	1.5285	1.5253	1.5221	1.5189	1.5157	1.5125
340.0	1.5618	1.5586	1.5554	1.5522	1.5490	1.5458	1.5426	1.5394	1.5362	1.5330	1.5298	1.5266	1.5234	1.5202	1.5170
350.0	1.5663	1.5631	1.5599	1.5567	1.5535	1.5503	1.5471	1.5439	1.5407	1.5375	1.5343	1.5311	1.5279	1.5247	1.5215
360.0	1.5708	1.5676	1.5644	1.5612	1.5580	1.5548	1.5516	1.5484	1.5452	1.5420	1.5388	1.5356	1.5324	1.5292	1.5260
370.0	1.5753	1.5721	1.5689	1.5657	1.5625	1.5593	1.5561	1.5529	1.5497	1.5465	1.5433	1.5401	1.5369	1.5337	1.5305
380.0	1.5798	1.5766	1.5734	1.5702	1.5670	1.5638	1.5606	1.5574	1.5542	1.5510	1.5478	1.5446	1.5414	1.5382	1.5350
390.0	1.5843	1.5811	1.5779	1.5747	1.5715	1.5683	1.5651	1.5619	1.5587	1.5555	1.5523	1.5491	1.5459	1.5427	1.5395
400.0	1.5888	1.5856	1.5824	1.5792	1.5760	1.5728	1.5696	1.5664	1.5632	1.5600	1.5568	1.5536	1.5504	1.5472	1.5440
410.0	1.5933	1.5901	1.5869	1.5837	1.5805	1.5773	1.5741	1.5709	1.5677	1.5645	1.5613	1.5581	1.5549	1.5517	1.5485
420.0	1.5978	1.5946	1.5914	1.5882	1.5850	1.5818	1.5786	1.5754	1.5722	1.5690	1.5658	1.5626	1.5594	1.5562	1.5530
430.0	1.6023	1.5991	1.5959	1.5927	1.5895	1.5863	1.5831	1.5799	1.5767	1.5735	1.5703	1.5671	1.5639	1.5607	1.5575
440.0	1.6068	1.6036	1.6004	1.5972	1.5940	1.5908	1.5876	1.5844	1.5812	1.5780	1.5748	1.5716	1.5684	1.5652	1.5620
450.0	1.6113	1.6081	1.6049	1.6017	1.5985	1.5953	1.5921	1.5889	1.5857	1.5825	1.5793	1.5761	1.5729	1.5697	1.5665
460.0	1.6158	1.6126	1.6094	1.6062	1.6030	1.5998	1.5966	1.5934	1.5902	1.5870	1.5838	1.5806	1.5774	1.5742	1.5710
470.0	1.6203	1.6171	1.6139	1.6107	1.6075	1.6043	1.6011	1.5979	1.5947	1.5915	1.5883	1.5851	1.5819	1.5787	1.5755
480.0	1.6248	1.6216	1.6184	1.6152	1.6120	1.6088	1.6056	1.6024	1.5992	1.5960	1.5928	1.5896	1.5864	1.5832	1.5800
490.0	1.6293	1.6261	1.6229	1.6197	1.6165	1.6133	1.6101	1.6069	1.6037	1.6005	1.5973	1.5941	1.5909	1.5877	1.5845
500.0	1.6338	1.6306	1.6274	1.6242	1.6210	1.6178	1.6146	1.6114	1.6082	1.6050	1.6018	1.5986	1.5954	1.5922	1.5890
510.0	1.6383	1.6351	1.6319	1.6287	1.6255	1.6223	1.6191	1.6159	1.6127	1.6095	1.6063	1.6031	1.5999	1.5967	1.5935
520.0	1.6428	1.6396	1.6364	1.6332	1.6300	1.6268	1.6236	1.6204	1.6172	1.6140	1.6108	1.6076	1.6044	1.6012	1.5980
530.0	1.6473	1.6441	1.6409	1.6377	1.6345	1.6313	1.6281	1.6249	1.6217	1.6185	1.6153	1.6121	1.6089	1.6057	1.6025
540.0	1.6518	1.6486	1.6454	1.6422	1.6390	1.6358	1.6326	1.6294	1.6262	1.6230	1.6198	1.6166	1.6134	1.6102	1.6070
550.0	1.6563	1.6531	1.6499	1.6467	1.6435	1.6403	1.6371	1.6339	1.6307	1.6275	1.6243	1.6211	1.6179	1.6147	1.6115
560.0	1.6608	1.6576	1.6544	1.6512	1.6480	1.6448	1.6416	1.6384	1.6352	1.6320	1.6288	1.6256	1.6224	1.6192	1.6160
570.0	1.6653	1.6621	1.6589	1.6557	1.6525	1.6493	1.6461	1.6429	1.6397	1.6365	1.6333	1.6301	1.6269	1.6237	1.6205
580.0	1.6698	1.6666	1.6634	1.6602	1.6570	1.6538	1.6506	1.6474	1.6442	1.6410	1.6378	1.6346	1.6314	1.6282	1.6250
590.0	1.6743	1.6711	1.6679	1.6647	1.6615	1.6583	1.6551	1.6519	1.6487	1.6455	1.6423	1.6391	1.6359	1.6327	1.6295
600.0	1.6788	1.6756	1.6724	1.6692	1.6660	1.6628	1.6596	1.6564	1.6532	1.6500	1.6468	1.6436	1.6404	1.6372	1.6340
610.0	1.6833	1.6801	1.6769	1.6737	1.6705	1.6673	1.6641	1.6609	1.6577	1.6545	1.6513	1.6481	1.6449	1.6417	1.6385
620.0	1.6878	1.6846	1.6814	1.6782	1.6750	1.6718	1.6686	1.6654	1.6622	1.6590	1.6558	1.6526	1.6494	1.6462	1.6430
630.0	1.6923	1.6891	1.6859	1.6827	1.6795	1.6763	1.6731	1.6699	1.6667	1.6635	1.6603	1.6571	1.6539	1.6507	1.6475
640.0	1.6968	1.6936	1.6904	1.6872	1.6840	1.6808	1.6776	1.6744	1.6712	1.6680	1.6648	1.6616	1.6584	1.6552	1.6520
650.0	1.7013	1.6981	1.6949	1.6917	1.6885	1.6853	1.6821	1.6789	1.6757	1.6725	1.6693	1.6661	1.6629	1.6597	1.6565
660.0	1.7058	1.7026	1.6994	1.6962	1.6930	1.6898	1.6866	1.6834	1.6802	1.6770	1.6738	1.6706	1.6674	1.6642	1.6610
670.0	1.7103	1.7071	1.7039	1.7007	1.6975	1.6943	1.6911	1.6879	1.6847	1.6815	1.6783	1.6751	1.6719	1.6687	1.6655
680.0	1.7148	1.7116	1.7084	1.7052	1.7020	1.6988	1.6956	1.6924	1.6892	1.6860	1.6828	1.6796	1.6764	1.6732	1.6700
690.0	1.7193	1.7161	1.7129	1.7097	1.7065	1.7033	1.7001	1.6969	1.6937	1.6905	1.6873	1.6841	1.6809	1.6777	1.6745
700.0	1.7238	1.7206	1.7174	1.7142	1.7110	1.7078	1.7046	1.7014	1.6982	1.6950	1.6918	1.6886	1.6854	1.6822	1.6790
710.0	1.7283	1.7251	1.7219	1.7187	1.7155	1.7123	1.7091	1.7059	1.7027	1.6995	1.6963	1.6931	1.6899	1.6867	1.6835
720.0	1.7328	1.7296	1.7264	1.7232	1.7200	1.7168	1.7136	1.7104	1.7072	1.7040	1.7008	1.6976	1.6944	1.6912	1.6880
730.0	1.7373	1.7341	1.7309	1.7277	1.7245	1.7213	1.7181	1.7149	1.7117	1.7085	1.7053	1.7021	1.6989	1.6957	1.6925
740.0	1.7418	1.7386	1.7354	1.7322	1.7290	1.7258	1.7226	1.7194	1.7162	1.7130	1.7098	1.7066	1.7034	1.7002	1.6970
750.0	1.7463	1.7431	1.7399	1.7367	1.7335	1.7303	1.7271	1.7239	1.7207	1.7175	1.7143	1.7111	1.7079	1.7047	1.7015
760.0	1.7508	1.7476	1.7444	1.7412	1.7380	1.7348	1.7316	1.7284	1.7252	1.7220	1.7188	1.7156	1.7124	1.7092	1.7060
770.0	1.7553	1.7521	1.7489	1.7457	1.7425	1.7393	1.7361	1.7329	1.7297	1.7265	1.7233	1.7201	1.7169	1.7137	1.7105
780.0	1.7598	1.7566	1.7534	1.7502	1.7470	1.7438	1.7406	1.7374	1.7342	1.7310	1.7278	1.7246	1.7214	1.7182	1.7150
790.0	1.7643	1.7611	1.7579	1.7547	1.7515	1.7483	1.7451	1.7419	1.7387	1.7355	1.7323	1.7291	1.7259	1.7227	1.7195
800.0	1.7688	1.7656	1.7624	1.7592	1.7560	1.7528	1.7496	1.7464	1.7432	1.7400	1.7368	1.7336	1.7304	1.7272	1.7240
810.0	1.7733	1.7701	1.7669	1.7637	1.7605	1.7573	1.7541	1.7509	1.7477	1.7445	1.7413	1.7381	1.7349	1.7317	1.7285
820.0	1.7778	1.7746	1.7714	1.7682	1.7650	1.7618	1.7586	1.7554	1.7522	1.7490	1.7458	1.7426	1.7394	1.7362	1.7330
830.0	1.7823	1.7791	1.7759	1.7727	1.7695	1.7663	1.7631	1.7599	1.7567	1.7535	1.7503	1.7471	1.7439	1.7407	1.7375
840.0	1.7868	1.7836	1.7804	1.7772	1.7740	1.7708	1.7676	1.7644	1.7612	1.7580	1.7548	1.7516	1.7484	1.7452	1.7420
850.0	1.7913	1.7881	1.7849	1.7817	1.7785	1.7753	1.7721	1.7689	1.7657	1.7625	1.7593	1.7561	1.7529	1.7497	1.7465

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ENTROPY

TEMPERATURE DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000
440.0	1.8049	1.7957	1.7864	1.7771	1.7678	1.7585	1.7492	1.7399	1.7306
450.0	1.8077	1.7985	1.7892	1.7799	1.7706	1.7613	1.7520	1.7427	1.7334
460.0	1.8104	1.8013	1.7920	1.7827	1.7734	1.7641	1.7548	1.7455	1.7362
470.0	1.8131	1.8040	1.7947	1.7854	1.7761	1.7668	1.7575	1.7482	1.7389
480.0	1.8158	1.8067	1.7974	1.7881	1.7788	1.7695	1.7602	1.7509	1.7416
490.0	1.8185	1.8093	1.8001	1.7908	1.7815	1.7722	1.7629	1.7536	1.7443
500.0	1.8212	1.8120	1.8027	1.7934	1.7841	1.7748	1.7655	1.7562	1.7469
510.0	1.8239	1.8146	1.8053	1.7960	1.7867	1.7774	1.7681	1.7588	1.7495
520.0	1.8266	1.8173	1.8080	1.7987	1.7894	1.7801	1.7708	1.7615	1.7522
530.0	1.8293	1.8200	1.8107	1.8014	1.7921	1.7828	1.7735	1.7642	1.7549
540.0	1.8320	1.8227	1.8134	1.8041	1.7948	1.7855	1.7762	1.7669	1.7576
550.0	1.8347	1.8254	1.8161	1.8068	1.7975	1.7882	1.7789	1.7696	1.7603
560.0	1.8374	1.8281	1.8188	1.8095	1.7999	1.7906	1.7813	1.7720	1.7627
570.0	1.8401	1.8308	1.8215	1.8122	1.8029	1.7936	1.7843	1.7750	1.7657
580.0	1.8428	1.8335	1.8242	1.8149	1.8056	1.7963	1.7870	1.7777	1.7684
590.0	1.8455	1.8362	1.8269	1.8176	1.8083	1.7990	1.7897	1.7804	1.7711
600.0	1.8482	1.8389	1.8296	1.8203	1.8110	1.8017	1.7924	1.7831	1.7738
610.0	1.8509	1.8416	1.8323	1.8230	1.8137	1.8044	1.7951	1.7858	1.7765
620.0	1.8536	1.8443	1.8350	1.8257	1.8164	1.8071	1.7978	1.7885	1.7792
630.0	1.8563	1.8470	1.8377	1.8284	1.8191	1.8098	1.7999	1.7906	1.7813
640.0	1.8590	1.8497	1.8404	1.8311	1.8218	1.8125	1.8032	1.7939	1.7846
650.0	1.8617	1.8524	1.8431	1.8338	1.8245	1.8152	1.8059	1.7966	1.7873
660.0	1.8644	1.8551	1.8458	1.8365	1.8272	1.8179	1.8086	1.7993	1.7900
670.0	1.8671	1.8578	1.8485	1.8392	1.8299	1.8206	1.8113	1.8020	1.7927
680.0	1.8698	1.8605	1.8512	1.8419	1.8326	1.8233	1.8140	1.8047	1.7954
690.0	1.8725	1.8632	1.8539	1.8446	1.8353	1.8260	1.8167	1.8074	1.7981
700.0	1.8752	1.8659	1.8566	1.8473	1.8380	1.8287	1.8194	1.8101	1.8008
710.0	1.8779	1.8686	1.8593	1.8500	1.8407	1.8314	1.8221	1.8128	1.8035
720.0	1.8806	1.8713	1.8620	1.8527	1.8434	1.8341	1.8248	1.8155	1.8062
730.0	1.8833	1.8740	1.8647	1.8554	1.8461	1.8368	1.8275	1.8182	1.8089
740.0	1.8860	1.8767	1.8674	1.8581	1.8488	1.8395	1.8302	1.8209	1.8116
750.0	1.8887	1.8794	1.8701	1.8608	1.8515	1.8422	1.8329	1.8236	1.8143
760.0	1.8914	1.8821	1.8728	1.8635	1.8542	1.8449	1.8356	1.8263	1.8170
770.0	1.8941	1.8848	1.8755	1.8662	1.8569	1.8476	1.8383	1.8290	1.8197
780.0	1.8968	1.8875	1.8782	1.8689	1.8596	1.8503	1.8410	1.8317	1.8224
790.0	1.8995	1.8902	1.8809	1.8716	1.8623	1.8530	1.8437	1.8344	1.8251
800.0	1.9022	1.8929	1.8836	1.8743	1.8650	1.8557	1.8464	1.8371	1.8278
810.0	1.9049	1.8956	1.8863	1.8770	1.8677	1.8584	1.8491	1.8398	1.8305
820.0	1.9076	1.8983	1.8890	1.8797	1.8704	1.8611	1.8518	1.8425	1.8332
830.0	1.9103	1.9010	1.8917	1.8824	1.8731	1.8638	1.8545	1.8452	1.8359
840.0	1.9130	1.9037	1.8944	1.8851	1.8758	1.8665	1.8572	1.8479	1.8386
850.0	1.9157	1.9064	1.8971	1.8878	1.8785	1.8692	1.8599	1.8506	1.8413
860.0	1.9184	1.9091	1.8998	1.8905	1.8812	1.8719	1.8626	1.8533	1.8440
870.0	1.9211	1.9118	1.9025	1.8932	1.8839	1.8746	1.8653	1.8560	1.8467
880.0	1.9238	1.9145	1.9052	1.8959	1.8866	1.8773	1.8680	1.8587	1.8494
890.0	1.9265	1.9172	1.9079	1.8986	1.8893	1.8800	1.8707	1.8614	1.8521
900.0	1.9292	1.9199	1.9106	1.9013	1.8920	1.8827	1.8734	1.8641	1.8548
910.0	1.9319	1.9226	1.9133	1.9040	1.8947	1.8854	1.8761	1.8668	1.8575
920.0	1.9346	1.9253	1.9160	1.9067	1.8974	1.8881	1.8788	1.8695	1.8602
930.0	1.9373	1.9280	1.9187	1.9094	1.8999	1.8906	1.8813	1.8720	1.8627
940.0	1.9400	1.9307	1.9214	1.9121	1.9028	1.8935	1.8842	1.8749	1.8656
950.0	1.9427	1.9334	1.9241	1.9148	1.9055	1.8962	1.8869	1.8776	1.8683
960.0	1.9454	1.9361	1.9268	1.9175	1.9082	1.8989	1.8896	1.8803	1.8710
970.0	1.9481	1.9388	1.9295	1.9202	1.9109	1.9016	1.8923	1.8830	1.8737
980.0	1.9508	1.9415	1.9322	1.9229	1.9136	1.9043	1.8950	1.8857	1.8764
990.0	1.9535	1.9442	1.9349	1.9256	1.9163	1.9070	1.8977	1.8884	1.8791
1000.0	1.9562	1.9469	1.9376	1.9283	1.9190	1.9097	1.8999	1.8906	1.8813

TEMPERATURE / PRESSURE (PSIA)		ENTROPY											
TEMPERATURE OF GASES	R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000
1420.0	1.9313	1.9222	1.9141	1.9064	1.8991	1.8922	1.8859	1.8800	1.8744	1.8690	1.8638	1.8588	1.8540
1430.0	1.9332	1.9240	1.9159	1.9087	1.9022	1.8956	1.8894	1.8835	1.8779	1.8725	1.8672	1.8620	1.8569
1440.0	1.9350	1.9258	1.9177	1.9105	1.9040	1.8974	1.8910	1.8849	1.8789	1.8731	1.8674	1.8618	1.8563
1450.0	1.9368	1.9276	1.9194	1.9123	1.9058	1.8992	1.8928	1.8866	1.8805	1.8745	1.8686	1.8628	1.8571
1460.0	1.9386	1.9294	1.9214	1.9141	1.9075	1.9010	1.8946	1.8883	1.8821	1.8759	1.8698	1.8638	1.8579
1470.0	1.9404	1.9312	1.9231	1.9159	1.9094	1.9028	1.8964	1.8900	1.8837	1.8774	1.8712	1.8650	1.8589
1480.0	1.9422	1.9330	1.9249	1.9177	1.9112	1.9046	1.8982	1.8918	1.8854	1.8790	1.8726	1.8662	1.8599
1490.0	1.9440	1.9348	1.9267	1.9195	1.9129	1.9063	1.8998	1.8933	1.8868	1.8803	1.8738	1.8673	1.8608
1500.0	1.9457	1.9365	1.9284	1.9212	1.9147	1.9081	1.9016	1.8950	1.8885	1.8820	1.8755	1.8690	1.8625
1510.0	1.9474	1.9383	1.9302	1.9230	1.9164	1.9098	1.9032	1.8966	1.8900	1.8835	1.8769	1.8704	1.8638
1520.0	1.9492	1.9400	1.9319	1.9247	1.9182	1.9116	1.9050	1.8984	1.8918	1.8852	1.8786	1.8720	1.8654
1530.0	1.9509	1.9417	1.9337	1.9264	1.9199	1.9133	1.9067	1.9000	1.8934	1.8868	1.8802	1.8736	1.8670
1540.0	1.9526	1.9435	1.9354	1.9282	1.9216	1.9150	1.9084	1.9018	1.8952	1.8886	1.8820	1.8754	1.8688
1550.0	1.9543	1.9452	1.9371	1.9299	1.9233	1.9167	1.9101	1.9035	1.8969	1.8903	1.8837	1.8771	1.8705
1560.0	1.9560	1.9469	1.9388	1.9316	1.9250	1.9184	1.9118	1.9052	1.8986	1.8920	1.8854	1.8788	1.8722
1570.0	1.9577	1.9486	1.9405	1.9333	1.9267	1.9201	1.9135	1.9069	1.9003	1.8937	1.8871	1.8805	1.8739
1580.0	1.9594	1.9502	1.9422	1.9349	1.9284	1.9218	1.9152	1.9086	1.9020	1.8954	1.8888	1.8822	1.8756
1590.0	1.9611	1.9519	1.9438	1.9366	1.9301	1.9235	1.9169	1.9103	1.9037	1.8971	1.8905	1.8839	1.8773
1600.0	1.9628	1.9536	1.9455	1.9383	1.9317	1.9251	1.9185	1.9119	1.9053	1.8987	1.8921	1.8855	1.8789
1610.0	1.9644	1.9553	1.9472	1.9399	1.9334	1.9268	1.9202	1.9136	1.9070	1.9004	1.8938	1.8872	1.8806
1620.0	1.9661	1.9569	1.9488	1.9416	1.9351	1.9285	1.9219	1.9153	1.9087	1.9021	1.8955	1.8889	1.8823
1630.0	1.9677	1.9585	1.9504	1.9432	1.9367	1.9301	1.9235	1.9169	1.9103	1.9037	1.8971	1.8905	1.8839
1640.0	1.9693	1.9602	1.9521	1.9449	1.9383	1.9317	1.9251	1.9185	1.9119	1.9053	1.8987	1.8921	1.8855
1650.0	1.9710	1.9618	1.9537	1.9465	1.9400	1.9334	1.9268	1.9202	1.9136	1.9070	1.9004	1.8938	1.8872
1660.0	1.9725	1.9634	1.9554	1.9481	1.9416	1.9350	1.9284	1.9218	1.9152	1.9086	1.9020	1.8954	1.8888
1670.0	1.9742	1.9650	1.9570	1.9497	1.9432	1.9366	1.9300	1.9234	1.9168	1.9102	1.9036	1.8970	1.8904
1680.0	1.9758	1.9667	1.9586	1.9513	1.9448	1.9382	1.9316	1.9250	1.9184	1.9118	1.9052	1.8986	1.8920
1690.0	1.9774	1.9683	1.9602	1.9529	1.9464	1.9398	1.9332	1.9266	1.9200	1.9134	1.9068	1.9002	1.8936
1700.0	1.9790	1.9699	1.9618	1.9545	1.9480	1.9414	1.9348	1.9282	1.9216	1.9150	1.9084	1.9018	1.8952
1710.0	1.9806	1.9714	1.9634	1.9561	1.9496	1.9430	1.9364	1.9298	1.9232	1.9166	1.9100	1.9034	1.8968
1720.0	1.9822	1.9730	1.9649	1.9577	1.9512	1.9446	1.9380	1.9314	1.9248	1.9182	1.9116	1.9050	1.8984
1730.0	1.9838	1.9746	1.9665	1.9593	1.9528	1.9462	1.9396	1.9330	1.9264	1.9198	1.9132	1.9066	1.9000
1740.0	1.9853	1.9762	1.9681	1.9609	1.9543	1.9477	1.9411	1.9345	1.9279	1.9213	1.9147	1.9081	1.9015
1750.0	1.9869	1.9777	1.9697	1.9624	1.9559	1.9493	1.9427	1.9361	1.9295	1.9229	1.9163	1.9097	1.9031
1760.0	1.9885	1.9793	1.9712	1.9640	1.9575	1.9509	1.9443	1.9377	1.9311	1.9245	1.9179	1.9113	1.9047
1770.0	1.9900	1.9809	1.9728	1.9656	1.9590	1.9524	1.9458	1.9392	1.9326	1.9260	1.9194	1.9128	1.9062
1780.0	1.9916	1.9824	1.9743	1.9671	1.9606	1.9540	1.9474	1.9408	1.9342	1.9276	1.9210	1.9144	1.9078
1790.0	1.9931	1.9840	1.9759	1.9687	1.9621	1.9555	1.9489	1.9423	1.9357	1.9291	1.9225	1.9159	1.9093
1800.0	1.9947	1.9855	1.9774	1.9702	1.9637	1.9571	1.9505	1.9439	1.9373	1.9307	1.9241	1.9175	1.9109

Table 2. Concluded

20.0 to 600.0 psia

TEMPERATURE / PRESSURE (PSIA)		ENTROPY									
TEMPERATURE DEGREES R	R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
300.0	1.4772	1.4882	1.4882	1.4882	1.4882	1.4882	1.4882	1.4882	1.4882	1.4882	1.4882
310.0	1.4857	1.4955	1.4955	1.4955	1.4955	1.4955	1.4955	1.4955	1.4955	1.4955	1.4955
320.0	1.4938	1.5036	1.5036	1.5036	1.5036	1.5036	1.5036	1.5036	1.5036	1.5036	1.5036
330.0	1.5016	1.5114	1.5114	1.5114	1.5114	1.5114	1.5114	1.5114	1.5114	1.5114	1.5114
340.0	1.5089	1.5187	1.5187	1.5187	1.5187	1.5187	1.5187	1.5187	1.5187	1.5187	1.5187
350.0	1.5154	1.5252	1.5252	1.5252	1.5252	1.5252	1.5252	1.5252	1.5252	1.5252	1.5252
360.0	1.5223	1.5321	1.5321	1.5321	1.5321	1.5321	1.5321	1.5321	1.5321	1.5321	1.5321
370.0	1.5285	1.5383	1.5383	1.5383	1.5383	1.5383	1.5383	1.5383	1.5383	1.5383	1.5383
380.0	1.5346	1.5444	1.5444	1.5444	1.5444	1.5444	1.5444	1.5444	1.5444	1.5444	1.5444
390.0	1.5406	1.5504	1.5504	1.5504	1.5504	1.5504	1.5504	1.5504	1.5504	1.5504	1.5504
400.0	1.5465	1.5563	1.5563	1.5563	1.5563	1.5563	1.5563	1.5563	1.5563	1.5563	1.5563
410.0	1.5524	1.5622	1.5622	1.5622	1.5622	1.5622	1.5622	1.5622	1.5622	1.5622	1.5622
420.0	1.5581	1.5679	1.5679	1.5679	1.5679	1.5679	1.5679	1.5679	1.5679	1.5679	1.5679
430.0	1.5638	1.5736	1.5736	1.5736	1.5736	1.5736	1.5736	1.5736	1.5736	1.5736	1.5736
440.0	1.5694	1.5792	1.5792	1.5792	1.5792	1.5792	1.5792	1.5792	1.5792	1.5792	1.5792
450.0	1.5749	1.5847	1.5847	1.5847	1.5847	1.5847	1.5847	1.5847	1.5847	1.5847	1.5847
460.0	1.5802	1.5900	1.5900	1.5900	1.5900	1.5900	1.5900	1.5900	1.5900	1.5900	1.5900
470.0	1.5855	1.5953	1.5953	1.5953	1.5953	1.5953	1.5953	1.5953	1.5953	1.5953	1.5953
480.0	1.5907	1.6005	1.6005	1.6005	1.6005	1.6005	1.6005	1.6005	1.6005	1.6005	1.6005
490.0	1.5958	1.6056	1.6056	1.6056	1.6056	1.6056	1.6056	1.6056	1.6056	1.6056	1.6056
500.0	1.6008	1.6106	1.6106	1.6106	1.6106	1.6106	1.6106	1.6106	1.6106	1.6106	1.6106
510.0	1.6057	1.6155	1.6155	1.6155	1.6155	1.6155	1.6155	1.6155	1.6155	1.6155	1.6155
520.0	1.6106	1.6204	1.6204	1.6204	1.6204	1.6204	1.6204	1.6204	1.6204	1.6204	1.6204
530.0	1.6153	1.6251	1.6251	1.6251	1.6251	1.6251	1.6251	1.6251	1.6251	1.6251	1.6251
540.0	1.6198	1.6296	1.6296	1.6296	1.6296	1.6296	1.6296	1.6296	1.6296	1.6296	1.6296
550.0	1.6240	1.6338	1.6338	1.6338	1.6338	1.6338	1.6338	1.6338	1.6338	1.6338	1.6338
560.0	1.6281	1.6379	1.6379	1.6379	1.6379	1.6379	1.6379	1.6379	1.6379	1.6379	1.6379
570.0	1.6322	1.6420	1.6420	1.6420	1.6420	1.6420	1.6420	1.6420	1.6420	1.6420	1.6420
580.0	1.6362	1.6460	1.6460	1.6460	1.6460	1.6460	1.6460	1.6460	1.6460	1.6460	1.6460
590.0	1.6403	1.6501	1.6501	1.6501	1.6501	1.6501	1.6501	1.6501	1.6501	1.6501	1.6501
600.0	1.6443	1.6541	1.6541	1.6541	1.6541	1.6541	1.6541	1.6541	1.6541	1.6541	1.6541
610.0	1.6483	1.6581	1.6581	1.6581	1.6581	1.6581	1.6581	1.6581	1.6581	1.6581	1.6581
620.0	1.6523	1.6621	1.6621	1.6621	1.6621	1.6621	1.6621	1.6621	1.6621	1.6621	1.6621
630.0	1.6562	1.6660	1.6660	1.6660	1.6660	1.6660	1.6660	1.6660	1.6660	1.6660	1.6660
640.0	1.6601	1.6699	1.6699	1.6699	1.6699	1.6699	1.6699	1.6699	1.6699	1.6699	1.6699
650.0	1.6639	1.6737	1.6737	1.6737	1.6737	1.6737	1.6737	1.6737	1.6737	1.6737	1.6737
660.0	1.6677	1.6775	1.6775	1.6775	1.6775	1.6775	1.6775	1.6775	1.6775	1.6775	1.6775
670.0	1.6714	1.6812	1.6812	1.6812	1.6812	1.6812	1.6812	1.6812	1.6812	1.6812	1.6812
680.0	1.6751	1.6849	1.6849	1.6849	1.6849	1.6849	1.6849	1.6849	1.6849	1.6849	1.6849
690.0	1.6787	1.6885	1.6885	1.6885	1.6885	1.6885	1.6885	1.6885	1.6885	1.6885	1.6885
700.0	1.6823	1.6921	1.6921	1.6921	1.6921	1.6921	1.6921	1.6921	1.6921	1.6921	1.6921
710.0	1.6858	1.6956	1.6956	1.6956	1.6956	1.6956	1.6956	1.6956	1.6956	1.6956	1.6956
720.0	1.6893	1.6991	1.6991	1.6991	1.6991	1.6991	1.6991	1.6991	1.6991	1.6991	1.6991
730.0	1.6926	1.7024	1.7024	1.7024	1.7024	1.7024	1.7024	1.7024	1.7024	1.7024	1.7024
740.0	1.6960	1.7058	1.7058	1.7058	1.7058	1.7058	1.7058	1.7058	1.7058	1.7058	1.7058
750.0	1.6993	1.7091	1.7091	1.7091	1.7091	1.7091	1.7091	1.7091	1.7091	1.7091	1.7091
760.0	1.7025	1.7123	1.7123	1.7123	1.7123	1.7123	1.7123	1.7123	1.7123	1.7123	1.7123
770.0	1.7058	1.7156	1.7156	1.7156	1.7156	1.7156	1.7156	1.7156	1.7156	1.7156	1.7156
780.0	1.7089	1.7187	1.7187	1.7187	1.7187	1.7187	1.7187	1.7187	1.7187	1.7187	1.7187
790.0	1.7121	1.7219	1.7219	1.7219	1.7219	1.7219	1.7219	1.7219	1.7219	1.7219	1.7219
800.0	1.7151	1.7249	1.7249	1.7249	1.7249	1.7249	1.7249	1.7249	1.7249	1.7249	1.7249
810.0	1.7182	1.7280	1.7280	1.7280	1.7280	1.7280	1.7280	1.7280	1.7280	1.7280	1.7280
820.0	1.7212	1.7310	1.7310	1.7310	1.7310	1.7310	1.7310	1.7310	1.7310	1.7310	1.7310
830.0	1.7241	1.7339	1.7339	1.7339	1.7339	1.7339	1.7339	1.7339	1.7339	1.7339	1.7339
840.0	1.7271	1.7369	1.7369	1.7369	1.7369	1.7369	1.7369	1.7369	1.7369	1.7369	1.7369
850.0	1.7299	1.7397	1.7397	1.7397	1.7397	1.7397	1.7397	1.7397	1.7397	1.7397	1.7397

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ENTROPY

TEMPERATURE / PRESSURE (PSIA)

TEMPERATURE / PRESSURE (PSIA)	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
860.0	1.7328	1.7049	1.6852	1.6698	1.6221	1.5741	1.5459	1.5258	1.5102	1.4973
870.0	1.7356	1.7077	1.6880	1.6726	1.6249	1.5769	1.5488	1.5287	1.5130	1.5001
880.0	1.7384	1.7105	1.6907	1.6753	1.6276	1.5797	1.5516	1.5315	1.5158	1.5029
890.0	1.7411	1.7132	1.6934	1.6780	1.6304	1.5825	1.5543	1.5342	1.5186	1.5057
900.0	1.7439	1.7159	1.6961	1.6808	1.6331	1.5852	1.5570	1.5369	1.5213	1.5085
910.0	1.7464	1.7186	1.6988	1.6835	1.6358	1.5879	1.5597	1.5397	1.5240	1.5112
920.0	1.7491	1.7212	1.7015	1.6861	1.6384	1.5905	1.5624	1.5423	1.5267	1.5139
930.0	1.7517	1.7239	1.7041	1.6888	1.6411	1.5932	1.5651	1.5450	1.5294	1.5166
940.0	1.7544	1.7265	1.7067	1.6914	1.6437	1.5958	1.5677	1.5477	1.5321	1.5192
950.0	1.7570	1.7291	1.7093	1.6940	1.6463	1.5984	1.5703	1.5503	1.5347	1.5219
960.0	1.7595	1.7317	1.7119	1.6966	1.6489	1.6010	1.5729	1.5529	1.5373	1.5245
970.0	1.7621	1.7342	1.7145	1.6991	1.6514	1.6036	1.5755	1.5555	1.5399	1.5271
980.0	1.7646	1.7368	1.7170	1.7017	1.6540	1.6061	1.5780	1.5580	1.5425	1.5297
990.0	1.7671	1.7393	1.7195	1.7042	1.6565	1.6087	1.5806	1.5606	1.5451	1.5322
1000.0	1.7696	1.7418	1.7220	1.7067	1.6590	1.6112	1.5831	1.5631	1.5475	1.5348
1010.0	1.7721	1.7443	1.7245	1.7092	1.6615	1.6137	1.5856	1.5656	1.5500	1.5373
1020.0	1.7746	1.7467	1.7270	1.7116	1.6639	1.6161	1.5881	1.5681	1.5525	1.5398
1030.0	1.7770	1.7492	1.7294	1.7141	1.6664	1.6186	1.5905	1.5705	1.5550	1.5422
1040.0	1.7794	1.7516	1.7318	1.7165	1.6688	1.6210	1.5929	1.5729	1.5574	1.5447
1050.0	1.7818	1.7540	1.7342	1.7189	1.6712	1.6234	1.5954	1.5754	1.5599	1.5471
1060.0	1.7842	1.7564	1.7366	1.7213	1.6736	1.6258	1.5978	1.5778	1.5623	1.5495
1070.0	1.7866	1.7587	1.7390	1.7236	1.6760	1.6282	1.6001	1.5802	1.5647	1.5519
1080.0	1.7889	1.7611	1.7413	1.7260	1.6783	1.6305	1.6025	1.5826	1.5670	1.5543
1090.0	1.7913	1.7634	1.7437	1.7283	1.6807	1.6329	1.6049	1.5850	1.5694	1.5567
1100.0	1.7936	1.7657	1.7460	1.7306	1.6830	1.6352	1.6072	1.5872	1.5717	1.5590
1110.0	1.7959	1.7680	1.7483	1.7329	1.6853	1.6375	1.6095	1.5895	1.5740	1.5613
1120.0	1.7981	1.7703	1.7505	1.7352	1.6876	1.6398	1.6118	1.5918	1.5763	1.5636
1130.0	1.8004	1.7726	1.7528	1.7375	1.6898	1.6421	1.6140	1.5941	1.5786	1.5659
1140.0	1.8026	1.7748	1.7550	1.7397	1.6921	1.6443	1.6163	1.5964	1.5809	1.5682
1150.0	1.8049	1.7770	1.7573	1.7420	1.6943	1.6465	1.6185	1.5986	1.5831	1.5704
1160.0	1.8071	1.7792	1.7595	1.7441	1.6965	1.6488	1.6207	1.6008	1.5853	1.5726
1170.0	1.8093	1.7814	1.7617	1.7463	1.6987	1.6510	1.6229	1.6030	1.5875	1.5749
1180.0	1.8114	1.7836	1.7638	1.7485	1.7009	1.6531	1.6251	1.6052	1.5897	1.5770
1190.0	1.8136	1.7858	1.7660	1.7507	1.7030	1.6553	1.6273	1.6074	1.5919	1.5792
1200.0	1.8157	1.7879	1.7682	1.7528	1.7052	1.6575	1.6295	1.6096	1.5941	1.5814
1210.0	1.8179	1.7900	1.7703	1.7550	1.7073	1.6596	1.6316	1.6117	1.5962	1.5835
1220.0	1.8200	1.7921	1.7724	1.7571	1.7094	1.6617	1.6337	1.6138	1.5983	1.5857
1230.0	1.8221	1.7942	1.7745	1.7592	1.7115	1.6638	1.6358	1.6159	1.6005	1.5878
1240.0	1.8242	1.7963	1.7766	1.7613	1.7136	1.6659	1.6379	1.6180	1.6026	1.5899
1250.0	1.8262	1.7984	1.7787	1.7633	1.7157	1.6680	1.6400	1.6201	1.6046	1.5920
1260.0	1.8283	1.8005	1.7807	1.7654	1.7177	1.6700	1.6421	1.6222	1.6067	1.5940
1270.0	1.8303	1.8025	1.7827	1.7674	1.7198	1.6721	1.6441	1.6242	1.6088	1.5961
1280.0	1.8323	1.8045	1.7848	1.7695	1.7218	1.6741	1.6461	1.6262	1.6108	1.5981
1290.0	1.8344	1.8065	1.7868	1.7715	1.7238	1.6761	1.6482	1.6283	1.6128	1.6002
1300.0	1.8364	1.8085	1.7888	1.7734	1.7258	1.6781	1.6502	1.6303	1.6148	1.6022
1310.0	1.8383	1.8105	1.7908	1.7754	1.7278	1.6801	1.6521	1.6323	1.6168	1.6042
1320.0	1.8403	1.8125	1.7927	1.7774	1.7298	1.6821	1.6541	1.6342	1.6188	1.6062
1330.0	1.8423	1.8144	1.7947	1.7794	1.7317	1.6840	1.6561	1.6362	1.6208	1.6081
1340.0	1.8442	1.8164	1.7966	1.7813	1.7337	1.6860	1.6580	1.6382	1.6227	1.6101
1350.0	1.8461	1.8183	1.7986	1.7832	1.7356	1.6879	1.6600	1.6401	1.6247	1.6120
1360.0	1.8481	1.8202	1.8005	1.7851	1.7375	1.6898	1.6619	1.6420	1.6265	1.6139
1370.0	1.8500	1.8221	1.8024	1.7871	1.7399	1.6917	1.6638	1.6439	1.6285	1.6159
1380.0	1.8518	1.8240	1.8043	1.7890	1.7413	1.6936	1.6657	1.6458	1.6304	1.6178
1390.0	1.8537	1.8259	1.8061	1.7908	1.7432	1.6955	1.6676	1.6477	1.6323	1.6197
1400.0	1.8556	1.8278	1.8080	1.7927	1.7451	1.6974	1.6695	1.6496	1.6342	1.6215
1410.0	1.8575	1.8296	1.8099	1.7945	1.7469	1.6993	1.6713	1.6515	1.6360	1.6234

TEMPERATURE / PRESSURE (PSIA)		ENTROPY									
TEMPERATURE DEGREES R	W	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
1420.0	1.4593	1.8315	1.8117	1.7964	1.7811	1.7688	1.7581	1.7492	1.7413	1.7339	1.7269
1430.0	1.4611	1.8333	1.8135	1.7982	1.7829	1.7706	1.7599	1.7510	1.7431	1.7357	1.7287
1440.0	1.4629	1.8351	1.8153	1.8000	1.7847	1.7724	1.7617	1.7528	1.7449	1.7375	1.7305
1450.0	1.4644	1.8369	1.8172	1.8019	1.7866	1.7743	1.7636	1.7547	1.7468	1.7394	1.7324
1460.0	1.4666	1.8387	1.8190	1.8037	1.7884	1.7761	1.7654	1.7565	1.7486	1.7412	1.7342
1470.0	1.4683	1.8405	1.8208	1.8055	1.7902	1.7779	1.7672	1.7583	1.7504	1.7430	1.7360
1480.0	1.4701	1.8423	1.8225	1.8072	1.7919	1.7796	1.7689	1.7600	1.7521	1.7447	1.7377
1490.0	1.4719	1.8441	1.8243	1.8090	1.7937	1.7814	1.7707	1.7618	1.7539	1.7465	1.7395
1500.0	1.4737	1.8458	1.8261	1.8108	1.7955	1.7832	1.7725	1.7636	1.7557	1.7483	1.7413
1510.0	1.4754	1.8476	1.8279	1.8126	1.7973	1.7850	1.7743	1.7654	1.7575	1.7501	1.7431
1520.0	1.4771	1.8493	1.8296	1.8143	1.7990	1.7867	1.7760	1.7671	1.7592	1.7518	1.7448
1530.0	1.4787	1.8510	1.8313	1.8160	1.8007	1.7884	1.7777	1.7688	1.7609	1.7535	1.7465
1540.0	1.4806	1.8528	1.8330	1.8177	1.8024	1.7901	1.7794	1.7705	1.7626	1.7552	1.7482
1550.0	1.4823	1.8545	1.8347	1.8194	1.8041	1.7918	1.7811	1.7722	1.7643	1.7569	1.7499
1560.0	1.4840	1.8562	1.8364	1.8211	1.8058	1.7935	1.7828	1.7739	1.7660	1.7586	1.7516
1570.0	1.4857	1.8579	1.8381	1.8228	1.8075	1.7952	1.7845	1.7756	1.7677	1.7603	1.7533
1580.0	1.4874	1.8595	1.8398	1.8245	1.8092	1.7969	1.7862	1.7773	1.7694	1.7620	1.7550
1590.0	1.4891	1.8612	1.8415	1.8262	1.8109	1.7986	1.7879	1.7790	1.7711	1.7637	1.7567
1600.0	1.4907	1.8629	1.8431	1.8278	1.8125	1.8002	1.7895	1.7806	1.7727	1.7653	1.7583
1610.0	1.4924	1.8645	1.8448	1.8295	1.8142	1.8019	1.7912	1.7823	1.7744	1.7670	1.7600
1620.0	1.4940	1.8662	1.8465	1.8311	1.8158	1.8035	1.7928	1.7839	1.7760	1.7686	1.7616
1630.0	1.4957	1.8678	1.8481	1.8328	1.8175	1.8052	1.7945	1.7856	1.7777	1.7703	1.7633
1640.0	1.4973	1.8695	1.8497	1.8344	1.8191	1.8068	1.7961	1.7872	1.7793	1.7719	1.7649
1650.0	1.4989	1.8711	1.8514	1.8361	1.8208	1.8085	1.7978	1.7889	1.7810	1.7736	1.7666
1660.0	1.4906	1.8727	1.8530	1.8377	1.8224	1.8101	1.7994	1.7905	1.7826	1.7752	1.7682
1670.0	1.4922	1.8743	1.8546	1.8393	1.8240	1.8117	1.8010	1.7921	1.7842	1.7768	1.7698
1680.0	1.4934	1.8760	1.8562	1.8409	1.8256	1.8133	1.8026	1.7937	1.7858	1.7784	1.7714
1690.0	1.4950	1.8776	1.8579	1.8425	1.8272	1.8149	1.8042	1.7953	1.7874	1.7800	1.7730
1700.0	1.4970	1.8792	1.8594	1.8441	1.8288	1.8165	1.8058	1.7969	1.7890	1.7816	1.7746
1710.0	1.4986	1.8807	1.8610	1.8457	1.8304	1.8181	1.8074	1.7985	1.7906	1.7832	1.7762
1720.0	1.4912	1.8823	1.8626	1.8473	1.8320	1.8197	1.8090	1.7991	1.7912	1.7838	1.7768
1730.0	1.4917	1.8839	1.8642	1.8489	1.8336	1.8213	1.8106	1.8017	1.7938	1.7864	1.7794
1740.0	1.4933	1.8855	1.8657	1.8504	1.8351	1.8228	1.8121	1.8032	1.7953	1.7879	1.7809
1750.0	1.4949	1.8870	1.8673	1.8520	1.8367	1.8244	1.8137	1.8048	1.7969	1.7895	1.7825
1760.0	1.4964	1.8886	1.8689	1.8535	1.8382	1.8259	1.8152	1.8063	1.7984	1.7910	1.7840
1770.0	1.4980	1.8902	1.8704	1.8551	1.8398	1.8275	1.8168	1.8079	1.7990	1.7916	1.7846
1780.0	1.4995	1.8917	1.8720	1.8567	1.8414	1.8291	1.8184	1.8095	1.7996	1.7922	1.7852
1790.0	1.4921	1.8933	1.8735	1.8582	1.8429	1.8306	1.8199	1.8110	1.8031	1.7957	1.7887
1800.0	1.4926	1.8948	1.8751	1.8597	1.8444	1.8321	1.8214	1.8125	1.8046	1.7972	1.7902

**Table 3. Specific Heat at Constant Pressure of
Air for Various Temperatures and Pressures**

0.5 to 6.0 psia

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SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA)

TEMPERATURE / PRESSURE (PSIA)	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
1420.0	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619
1430.0	0.2622	0.2622	0.2622	0.2622	0.2622	0.2622	0.2622	0.2622	0.2622	0.2623
1440.0	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626
1450.0	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629
1460.0	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632
1470.0	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635
1480.0	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638
1490.0	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641
1500.0	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644
1510.0	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647
1520.0	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650
1530.0	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653
1540.0	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656
1550.0	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659
1560.0	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662
1570.0	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665
1580.0	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668
1590.0	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671
1600.0	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674
1610.0	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677
1620.0	0.2679	0.2679	0.2679	0.2679	0.2679	0.2679	0.2679	0.2679	0.2679	0.2679
1630.0	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682
1640.0	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685
1650.0	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688
1660.0	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691
1670.0	0.2693	0.2693	0.2693	0.2693	0.2693	0.2693	0.2693	0.2693	0.2693	0.2693
1680.0	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696
1690.0	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699
1700.0	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702
1710.0	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704
1720.0	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707
1730.0	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710
1740.0	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712
1750.0	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715
1760.0	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717
1770.0	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720
1780.0	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722
1790.0	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725
1800.0	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727

Table 3. Continued

7.0 to 15.0 psia

TEMPERATURE / DEGREE R	PRESSURE (PSIA)	SPECIFIC HEAT									
		7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	14.696	15.000
300.0	0.2400	0.2404	0.2405	0.2406	0.2407	0.2408	0.2409	0.2410	0.2411	0.2412	0.2413
310.0	0.2403	0.2404	0.2405	0.2406	0.2407	0.2408	0.2409	0.2410	0.2411	0.2412	0.2413
320.0	0.2406	0.2407	0.2408	0.2409	0.2410	0.2411	0.2412	0.2413	0.2414	0.2415	0.2416
330.0	0.2409	0.2410	0.2411	0.2412	0.2413	0.2414	0.2415	0.2416	0.2417	0.2418	0.2419
340.0	0.2412	0.2413	0.2414	0.2415	0.2416	0.2417	0.2418	0.2419	0.2420	0.2421	0.2422
350.0	0.2415	0.2416	0.2417	0.2418	0.2419	0.2420	0.2421	0.2422	0.2423	0.2424	0.2425
360.0	0.2418	0.2419	0.2420	0.2421	0.2422	0.2423	0.2424	0.2425	0.2426	0.2427	0.2428
370.0	0.2421	0.2422	0.2423	0.2424	0.2425	0.2426	0.2427	0.2428	0.2429	0.2430	0.2431
380.0	0.2424	0.2425	0.2426	0.2427	0.2428	0.2429	0.2430	0.2431	0.2432	0.2433	0.2434
390.0	0.2427	0.2428	0.2429	0.2430	0.2431	0.2432	0.2433	0.2434	0.2435	0.2436	0.2437
400.0	0.2430	0.2431	0.2432	0.2433	0.2434	0.2435	0.2436	0.2437	0.2438	0.2439	0.2440
410.0	0.2433	0.2434	0.2435	0.2436	0.2437	0.2438	0.2439	0.2440	0.2441	0.2442	0.2443
420.0	0.2436	0.2437	0.2438	0.2439	0.2440	0.2441	0.2442	0.2443	0.2444	0.2445	0.2446
430.0	0.2439	0.2440	0.2441	0.2442	0.2443	0.2444	0.2445	0.2446	0.2447	0.2448	0.2449
440.0	0.2442	0.2443	0.2444	0.2445	0.2446	0.2447	0.2448	0.2449	0.2450	0.2451	0.2452
450.0	0.2445	0.2446	0.2447	0.2448	0.2449	0.2450	0.2451	0.2452	0.2453	0.2454	0.2455
460.0	0.2448	0.2449	0.2450	0.2451	0.2452	0.2453	0.2454	0.2455	0.2456	0.2457	0.2458
470.0	0.2451	0.2452	0.2453	0.2454	0.2455	0.2456	0.2457	0.2458	0.2459	0.2460	0.2461
480.0	0.2454	0.2455	0.2456	0.2457	0.2458	0.2459	0.2460	0.2461	0.2462	0.2463	0.2464
490.0	0.2457	0.2458	0.2459	0.2460	0.2461	0.2462	0.2463	0.2464	0.2465	0.2466	0.2467
500.0	0.2460	0.2461	0.2462	0.2463	0.2464	0.2465	0.2466	0.2467	0.2468	0.2469	0.2470
510.0	0.2463	0.2464	0.2465	0.2466	0.2467	0.2468	0.2469	0.2470	0.2471	0.2472	0.2473
520.0	0.2466	0.2467	0.2468	0.2469	0.2470	0.2471	0.2472	0.2473	0.2474	0.2475	0.2476
530.0	0.2469	0.2470	0.2471	0.2472	0.2473	0.2474	0.2475	0.2476	0.2477	0.2478	0.2479
540.0	0.2472	0.2473	0.2474	0.2475	0.2476	0.2477	0.2478	0.2479	0.2480	0.2481	0.2482
550.0	0.2475	0.2476	0.2477	0.2478	0.2479	0.2480	0.2481	0.2482	0.2483	0.2484	0.2485
560.0	0.2478	0.2479	0.2480	0.2481	0.2482	0.2483	0.2484	0.2485	0.2486	0.2487	0.2488
570.0	0.2481	0.2482	0.2483	0.2484	0.2485	0.2486	0.2487	0.2488	0.2489	0.2490	0.2491
580.0	0.2484	0.2485	0.2486	0.2487	0.2488	0.2489	0.2490	0.2491	0.2492	0.2493	0.2494
590.0	0.2487	0.2488	0.2489	0.2490	0.2491	0.2492	0.2493	0.2494	0.2495	0.2496	0.2497
600.0	0.2490	0.2491	0.2492	0.2493	0.2494	0.2495	0.2496	0.2497	0.2498	0.2499	0.2500
610.0	0.2493	0.2494	0.2495	0.2496	0.2497	0.2498	0.2499	0.2500	0.2501	0.2502	0.2503
620.0	0.2496	0.2497	0.2498	0.2499	0.2500	0.2501	0.2502	0.2503	0.2504	0.2505	0.2506
630.0	0.2499	0.2500	0.2501	0.2502	0.2503	0.2504	0.2505	0.2506	0.2507	0.2508	0.2509
640.0	0.2502	0.2503	0.2504	0.2505	0.2506	0.2507	0.2508	0.2509	0.2510	0.2511	0.2512
650.0	0.2505	0.2506	0.2507	0.2508	0.2509	0.2510	0.2511	0.2512	0.2513	0.2514	0.2515
660.0	0.2508	0.2509	0.2510	0.2511	0.2512	0.2513	0.2514	0.2515	0.2516	0.2517	0.2518
670.0	0.2511	0.2512	0.2513	0.2514	0.2515	0.2516	0.2517	0.2518	0.2519	0.2520	0.2521
680.0	0.2514	0.2515	0.2516	0.2517	0.2518	0.2519	0.2520	0.2521	0.2522	0.2523	0.2524
690.0	0.2517	0.2518	0.2519	0.2520	0.2521	0.2522	0.2523	0.2524	0.2525	0.2526	0.2527
700.0	0.2520	0.2521	0.2522	0.2523	0.2524	0.2525	0.2526	0.2527	0.2528	0.2529	0.2530
710.0	0.2523	0.2524	0.2525	0.2526	0.2527	0.2528	0.2529	0.2530	0.2531	0.2532	0.2533
720.0	0.2526	0.2527	0.2528	0.2529	0.2530	0.2531	0.2532	0.2533	0.2534	0.2535	0.2536
730.0	0.2529	0.2530	0.2531	0.2532	0.2533	0.2534	0.2535	0.2536	0.2537	0.2538	0.2539
740.0	0.2532	0.2533	0.2534	0.2535	0.2536	0.2537	0.2538	0.2539	0.2540	0.2541	0.2542
750.0	0.2535	0.2536	0.2537	0.2538	0.2539	0.2540	0.2541	0.2542	0.2543	0.2544	0.2545
760.0	0.2538	0.2539	0.2540	0.2541	0.2542	0.2543	0.2544	0.2545	0.2546	0.2547	0.2548
770.0	0.2541	0.2542	0.2543	0.2544	0.2545	0.2546	0.2547	0.2548	0.2549	0.2550	0.2551
780.0	0.2544	0.2545	0.2546	0.2547	0.2548	0.2549	0.2550	0.2551	0.2552	0.2553	0.2554
790.0	0.2547	0.2548	0.2549	0.2550	0.2551	0.2552	0.2553	0.2554	0.2555	0.2556	0.2557
800.0	0.2550	0.2551	0.2552	0.2553	0.2554	0.2555	0.2556	0.2557	0.2558	0.2559	0.2560
810.0	0.2553	0.2554	0.2555	0.2556	0.2557	0.2558	0.2559	0.2560	0.2561	0.2562	0.2563
820.0	0.2556	0.2557	0.2558	0.2559	0.2560	0.2561	0.2562	0.2563	0.2564	0.2565	0.2566
830.0	0.2559	0.2560	0.2561	0.2562	0.2563	0.2564	0.2565	0.2566	0.2567	0.2568	0.2569
840.0	0.2562	0.2563	0.2564	0.2565	0.2566	0.2567	0.2568	0.2569	0.2570	0.2571	0.2572
850.0	0.2565	0.2566	0.2567	0.2568	0.2569	0.2570	0.2571	0.2572	0.2573	0.2574	0.2575
860.0	0.2568	0.2569	0.2570	0.2571	0.2572	0.2573	0.2574	0.2575	0.2576	0.2577	0.2578
870.0	0.2571	0.2572	0.2573	0.2574	0.2575	0.2576	0.2577	0.2578	0.2579	0.2580	0.2581
880.0	0.2574	0.2575	0.2576	0.2577	0.2578	0.2579	0.2580	0.2581	0.2582	0.2583	0.2584
890.0	0.2577	0.2578	0.2579	0.2580	0.2581	0.2582	0.2583	0.2584	0.2585	0.2586	0.2587
900.0	0.2580	0.2581	0.2582	0.2583	0.2584	0.2585	0.2586	0.2587	0.2588	0.2589	0.2590
910.0	0.2583	0.2584	0.2585	0.2586	0.2587	0.2588	0.2589	0.2590	0.2591	0.2592	0.2593
920.0	0.2586	0.2587	0.2588	0.2589	0.2590	0.2591	0.2592	0.2593	0.2594	0.2595	0.2596
930.0	0.2589	0.2590	0.2591	0.2592	0.2593	0.2594	0.2595	0.2596	0.2597	0.2598	0.2599
940.0	0.2592	0.2593	0.2594	0.2595	0.2596	0.2597	0.2598	0.2599	0.2600	0.2601	0.2602
950.0	0.2595	0.2596	0.2597	0.2598	0.2599	0.2600	0.2601	0.2602	0.2603	0.2604	0.2605
960.0	0.2598	0.2599	0.2600	0.2601	0.2602	0.2603	0.2604	0.2605	0.2606	0.2607	0.2608
970.0	0.2601	0.2602	0.2603	0.2604	0.2605	0.2606	0.2607	0.2608	0.2609	0.2610	0.2611
980.0	0.2604	0.2605	0.2606	0.2607	0.2608	0.2609	0.2610	0.2611	0.2612	0.2613	0.2614
990.0	0.2607	0.2608	0.2609	0.2610	0.2611	0.2612	0.2613	0.2614	0.2615	0.2616	0.2617
1000.0	0.2610	0.2611	0.2612	0.2613	0.2614	0.2615	0.2616	0.2617	0.2618	0.2619	0.2620

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TEMPERATURE / PRESSURE (PSIA)		SPECIFIC HEAT							
DEGREES R	7,000	6,000	5,000	10,000	11,000	12,000	13,000	14,000	15,000
870.0	0.2451	0.2451	0.2451	0.2451	0.2451	0.2452	0.2452	0.2452	0.2452
880.0	0.2453	0.2454	0.2454	0.2454	0.2454	0.2454	0.2454	0.2454	0.2454
890.0	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456
900.0	0.2458	0.2458	0.2458	0.2458	0.2459	0.2459	0.2459	0.2459	0.2459
910.0	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461
920.0	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464
930.0	0.2466	0.2466	0.2466	0.2466	0.2467	0.2467	0.2467	0.2467	0.2467
940.0	0.2469	0.2469	0.2469	0.2469	0.2469	0.2469	0.2470	0.2470	0.2470
950.0	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472
960.0	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475
970.0	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477
980.0	0.2480	0.2480	0.2480	0.2480	0.2481	0.2481	0.2481	0.2481	0.2481
990.0	0.2483	0.2483	0.2483	0.2483	0.2483	0.2483	0.2484	0.2484	0.2484
1000.0	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486
1010.0	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489
1020.0	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492
1030.0	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495
1040.0	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498
1050.0	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501
1060.0	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504
1070.0	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507
1080.0	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510
1090.0	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513
1100.0	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516
1110.0	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519
1120.0	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522
1130.0	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525
1140.0	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528
1150.0	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531
1160.0	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534
1170.0	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537
1180.0	0.2540	0.2541	0.2541	0.2541	0.2541	0.2541	0.2541	0.2541	0.2541
1190.0	0.2543	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544
1200.0	0.2546	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547
1210.0	0.2549	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550
1220.0	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553
1230.0	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556
1240.0	0.2559	0.2559	0.2559	0.2559	0.2560	0.2560	0.2560	0.2560	0.2560
1250.0	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563
1260.0	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566
1270.0	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569
1280.0	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572
1290.0	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575
1300.0	0.2578	0.2578	0.2578	0.2578	0.2579	0.2579	0.2579	0.2579	0.2579
1310.0	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582
1320.0	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585
1330.0	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588
1340.0	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591
1350.0	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594
1360.0	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597
1370.0	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601
1380.0	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604
1390.0	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607
1400.0	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610
1410.0	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613
1420.0	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616

SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA)

DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000
1420.0	0.2619	0.2619	0.2620	0.2620	0.2620	0.2620	0.2620	0.2620	0.2620
1430.0	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623
1440.0	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626
1450.0	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629
1460.0	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632
1470.0	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635
1480.0	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638
1490.0	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641
1500.0	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644
1510.0	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647
1520.0	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650
1530.0	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653
1540.0	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656
1550.0	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659
1560.0	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662
1570.0	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665
1580.0	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668
1590.0	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671
1600.0	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674
1610.0	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677
1620.0	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680
1630.0	0.2682	0.2682	0.2683	0.2683	0.2683	0.2683	0.2683	0.2683	0.2683
1640.0	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685
1650.0	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688
1660.0	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691
1670.0	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694
1680.0	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696
1690.0	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699
1700.0	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702
1710.0	0.2704	0.2704	0.2704	0.2704	0.2704	0.2705	0.2705	0.2705	0.2705
1720.0	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707
1730.0	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710
1740.0	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712
1750.0	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715
1760.0	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717
1770.0	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720
1780.0	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722
1790.0	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725
1800.0	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727

Table 3. Concluded

20.0 to 600.0 psia



SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA)	10.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
DEGRFFS R									
300.0	0.2414	0.2441	0.2452	0.2507	0.2611	0.2726	0.2844	0.2981	0.3127
310.0	0.2415	0.2442	0.2453	0.2508	0.2612	0.2727	0.2845	0.2982	0.3128
320.0	0.2416	0.2443	0.2454	0.2509	0.2613	0.2728	0.2846	0.2983	0.3129
330.0	0.2417	0.2444	0.2455	0.2510	0.2614	0.2729	0.2847	0.2984	0.3130
340.0	0.2418	0.2445	0.2456	0.2511	0.2615	0.2730	0.2848	0.2985	0.3131
350.0	0.2419	0.2446	0.2457	0.2512	0.2616	0.2731	0.2849	0.2986	0.3132
360.0	0.2420	0.2447	0.2458	0.2513	0.2617	0.2732	0.2850	0.2987	0.3133
370.0	0.2421	0.2448	0.2459	0.2514	0.2618	0.2733	0.2851	0.2988	0.3134
380.0	0.2422	0.2449	0.2460	0.2515	0.2619	0.2734	0.2852	0.2989	0.3135
390.0	0.2423	0.2450	0.2461	0.2516	0.2620	0.2735	0.2853	0.2990	0.3136
400.0	0.2424	0.2451	0.2462	0.2517	0.2621	0.2736	0.2854	0.2991	0.3137
410.0	0.2425	0.2452	0.2463	0.2518	0.2622	0.2737	0.2855	0.2992	0.3138
420.0	0.2426	0.2453	0.2464	0.2519	0.2623	0.2738	0.2856	0.2993	0.3139
430.0	0.2427	0.2454	0.2465	0.2520	0.2624	0.2739	0.2857	0.2994	0.3140
440.0	0.2428	0.2455	0.2466	0.2521	0.2625	0.2740	0.2858	0.2995	0.3141
450.0	0.2429	0.2456	0.2467	0.2522	0.2626	0.2741	0.2859	0.2996	0.3142
460.0	0.2430	0.2457	0.2468	0.2523	0.2627	0.2742	0.2860	0.2997	0.3143
470.0	0.2431	0.2458	0.2469	0.2524	0.2628	0.2743	0.2861	0.2998	0.3144
480.0	0.2432	0.2459	0.2470	0.2525	0.2629	0.2744	0.2862	0.2999	0.3145
490.0	0.2433	0.2460	0.2471	0.2526	0.2630	0.2745	0.2863	0.3000	0.3146
500.0	0.2434	0.2461	0.2472	0.2527	0.2631	0.2746	0.2864	0.3001	0.3147
510.0	0.2435	0.2462	0.2473	0.2528	0.2632	0.2747	0.2865	0.3002	0.3148
520.0	0.2436	0.2463	0.2474	0.2529	0.2633	0.2748	0.2866	0.3003	0.3149
530.0	0.2437	0.2464	0.2475	0.2530	0.2634	0.2749	0.2867	0.3004	0.3150
540.0	0.2438	0.2465	0.2476	0.2531	0.2635	0.2750	0.2868	0.3005	0.3151
550.0	0.2439	0.2466	0.2477	0.2532	0.2636	0.2751	0.2869	0.3006	0.3152
560.0	0.2440	0.2467	0.2478	0.2533	0.2637	0.2752	0.2870	0.3007	0.3153
570.0	0.2441	0.2468	0.2479	0.2534	0.2638	0.2753	0.2871	0.3008	0.3154
580.0	0.2442	0.2469	0.2480	0.2535	0.2639	0.2754	0.2872	0.3009	0.3155
590.0	0.2443	0.2470	0.2481	0.2536	0.2640	0.2755	0.2873	0.3010	0.3156
600.0	0.2444	0.2471	0.2482	0.2537	0.2641	0.2756	0.2874	0.3011	0.3157
610.0	0.2445	0.2472	0.2483	0.2538	0.2642	0.2757	0.2875	0.3012	0.3158
620.0	0.2446	0.2473	0.2484	0.2539	0.2643	0.2758	0.2876	0.3013	0.3159
630.0	0.2447	0.2474	0.2485	0.2540	0.2644	0.2759	0.2877	0.3014	0.3160
640.0	0.2448	0.2475	0.2486	0.2541	0.2645	0.2760	0.2878	0.3015	0.3161
650.0	0.2449	0.2476	0.2487	0.2542	0.2646	0.2761	0.2879	0.3016	0.3162
660.0	0.2450	0.2477	0.2488	0.2543	0.2647	0.2762	0.2880	0.3017	0.3163
670.0	0.2451	0.2478	0.2489	0.2544	0.2648	0.2763	0.2881	0.3018	0.3164
680.0	0.2452	0.2479	0.2490	0.2545	0.2649	0.2764	0.2882	0.3019	0.3165
690.0	0.2453	0.2480	0.2491	0.2546	0.2650	0.2765	0.2883	0.3020	0.3166
700.0	0.2454	0.2481	0.2492	0.2547	0.2651	0.2766	0.2884	0.3021	0.3167
710.0	0.2455	0.2482	0.2493	0.2548	0.2652	0.2767	0.2885	0.3022	0.3168
720.0	0.2456	0.2483	0.2494	0.2549	0.2653	0.2768	0.2886	0.3023	0.3169
730.0	0.2457	0.2484	0.2495	0.2550	0.2654	0.2769	0.2887	0.3024	0.3170
740.0	0.2458	0.2485	0.2496	0.2551	0.2655	0.2770	0.2888	0.3025	0.3171
750.0	0.2459	0.2486	0.2497	0.2552	0.2656	0.2771	0.2889	0.3026	0.3172
760.0	0.2460	0.2487	0.2498	0.2553	0.2657	0.2772	0.2890	0.3027	0.3173
770.0	0.2461	0.2488	0.2499	0.2554	0.2658	0.2773	0.2891	0.3028	0.3174
780.0	0.2462	0.2489	0.2500	0.2555	0.2659	0.2774	0.2892	0.3029	0.3175
790.0	0.2463	0.2490	0.2501	0.2556	0.2660	0.2775	0.2893	0.3030	0.3176
800.0	0.2464	0.2491	0.2502	0.2557	0.2661	0.2776	0.2894	0.3031	0.3177
810.0	0.2465	0.2492	0.2503	0.2558	0.2662	0.2777	0.2895	0.3032	0.3178
820.0	0.2466	0.2493	0.2504	0.2559	0.2663	0.2778	0.2896	0.3033	0.3179
830.0	0.2467	0.2494	0.2505	0.2560	0.2664	0.2779	0.2897	0.3034	0.3180
840.0	0.2468	0.2495	0.2506	0.2561	0.2665	0.2780	0.2898	0.3035	0.3181
850.0	0.2469	0.2496	0.2507	0.2562	0.2666	0.2781	0.2899	0.3036	0.3182

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SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA)

TEMPERATURE / PRESSURE (PSIA)	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
850.0	0.2452	0.2453	0.2454	0.2455	0.2459	0.2468	0.2477	0.2487	0.2497	0.2507
860.0	0.2455	0.2456	0.2457	0.2458	0.2461	0.2470	0.2479	0.2488	0.2498	0.2508
870.0	0.2457	0.2458	0.2459	0.2460	0.2464	0.2472	0.2481	0.2490	0.2500	0.2510
880.0	0.2459	0.2460	0.2461	0.2462	0.2466	0.2474	0.2483	0.2492	0.2501	0.2511
890.0	0.2462	0.2463	0.2464	0.2465	0.2468	0.2476	0.2485	0.2493	0.2502	0.2512
900.0	0.2464	0.2465	0.2466	0.2467	0.2471	0.2479	0.2487	0.2495	0.2504	0.2513
910.0	0.2467	0.2468	0.2469	0.2470	0.2473	0.2481	0.2489	0.2497	0.2506	0.2515
920.0	0.2470	0.2471	0.2472	0.2473	0.2476	0.2483	0.2491	0.2499	0.2508	0.2516
930.0	0.2473	0.2474	0.2475	0.2476	0.2478	0.2486	0.2494	0.2501	0.2509	0.2518
940.0	0.2476	0.2477	0.2478	0.2479	0.2481	0.2488	0.2496	0.2504	0.2512	0.2520
950.0	0.2478	0.2479	0.2480	0.2481	0.2484	0.2491	0.2499	0.2506	0.2514	0.2522
960.0	0.2481	0.2482	0.2483	0.2484	0.2486	0.2493	0.2501	0.2508	0.2516	0.2524
970.0	0.2484	0.2485	0.2486	0.2487	0.2489	0.2496	0.2503	0.2510	0.2518	0.2526
980.0	0.2487	0.2488	0.2489	0.2490	0.2492	0.2499	0.2505	0.2513	0.2520	0.2528
990.0	0.2490	0.2491	0.2492	0.2493	0.2495	0.2501	0.2508	0.2515	0.2522	0.2530
1000.0	0.2493	0.2494	0.2495	0.2496	0.2497	0.2504	0.2511	0.2517	0.2525	0.2532
1010.0	0.2496	0.2497	0.2498	0.2499	0.2500	0.2507	0.2513	0.2520	0.2527	0.2534
1020.0	0.2499	0.2500	0.2501	0.2502	0.2503	0.2509	0.2516	0.2522	0.2529	0.2536
1030.0	0.2501	0.2502	0.2503	0.2504	0.2505	0.2511	0.2518	0.2525	0.2532	0.2539
1040.0	0.2504	0.2505	0.2506	0.2507	0.2508	0.2514	0.2521	0.2527	0.2534	0.2541
1050.0	0.2507	0.2508	0.2509	0.2510	0.2511	0.2517	0.2524	0.2530	0.2537	0.2543
1060.0	0.2510	0.2511	0.2512	0.2513	0.2514	0.2520	0.2526	0.2532	0.2539	0.2546
1070.0	0.2513	0.2514	0.2515	0.2516	0.2517	0.2523	0.2529	0.2535	0.2542	0.2548
1080.0	0.2516	0.2517	0.2518	0.2519	0.2520	0.2526	0.2532	0.2538	0.2544	0.2551
1090.0	0.2519	0.2520	0.2521	0.2522	0.2523	0.2529	0.2535	0.2541	0.2547	0.2554
1100.0	0.2522	0.2523	0.2524	0.2525	0.2526	0.2532	0.2538	0.2544	0.2550	0.2556
1110.0	0.2525	0.2526	0.2527	0.2528	0.2529	0.2535	0.2541	0.2547	0.2553	0.2559
1120.0	0.2528	0.2529	0.2530	0.2531	0.2532	0.2538	0.2544	0.2550	0.2556	0.2562
1130.0	0.2531	0.2532	0.2533	0.2534	0.2535	0.2541	0.2547	0.2553	0.2559	0.2565
1140.0	0.2534	0.2535	0.2536	0.2537	0.2538	0.2544	0.2550	0.2556	0.2562	0.2568
1150.0	0.2537	0.2538	0.2539	0.2540	0.2541	0.2547	0.2553	0.2559	0.2565	0.2571
1160.0	0.2540	0.2541	0.2542	0.2543	0.2544	0.2550	0.2556	0.2562	0.2568	0.2574
1170.0	0.2543	0.2544	0.2545	0.2546	0.2547	0.2553	0.2559	0.2565	0.2571	0.2577
1180.0	0.2546	0.2547	0.2548	0.2549	0.2550	0.2556	0.2562	0.2568	0.2574	0.2580
1190.0	0.2549	0.2550	0.2551	0.2552	0.2553	0.2559	0.2565	0.2571	0.2577	0.2583
1200.0	0.2552	0.2553	0.2554	0.2555	0.2556	0.2562	0.2568	0.2574	0.2580	0.2586
1210.0	0.2555	0.2556	0.2557	0.2558	0.2559	0.2565	0.2571	0.2577	0.2583	0.2589
1220.0	0.2558	0.2559	0.2560	0.2561	0.2562	0.2568	0.2574	0.2580	0.2586	0.2592
1230.0	0.2561	0.2562	0.2563	0.2564	0.2565	0.2571	0.2577	0.2583	0.2589	0.2595
1240.0	0.2564	0.2565	0.2566	0.2567	0.2568	0.2574	0.2580	0.2586	0.2592	0.2598
1250.0	0.2567	0.2568	0.2569	0.2570	0.2571	0.2577	0.2583	0.2589	0.2595	0.2601
1260.0	0.2570	0.2571	0.2572	0.2573	0.2574	0.2580	0.2586	0.2592	0.2598	0.2604
1270.0	0.2573	0.2574	0.2575	0.2576	0.2577	0.2583	0.2589	0.2595	0.2601	0.2607
1280.0	0.2576	0.2577	0.2578	0.2579	0.2580	0.2586	0.2592	0.2598	0.2604	0.2610
1290.0	0.2579	0.2580	0.2581	0.2582	0.2583	0.2589	0.2595	0.2601	0.2607	0.2613
1300.0	0.2582	0.2583	0.2584	0.2585	0.2586	0.2592	0.2598	0.2604	0.2610	0.2616
1310.0	0.2585	0.2586	0.2587	0.2588	0.2589	0.2595	0.2601	0.2607	0.2613	0.2619
1320.0	0.2588	0.2589	0.2590	0.2591	0.2592	0.2598	0.2604	0.2610	0.2616	0.2622
1330.0	0.2591	0.2592	0.2593	0.2594	0.2595	0.2601	0.2607	0.2613	0.2619	0.2625
1340.0	0.2594	0.2595	0.2596	0.2597	0.2598	0.2604	0.2610	0.2616	0.2622	0.2628
1350.0	0.2597	0.2598	0.2599	0.2600	0.2601	0.2607	0.2613	0.2619	0.2625	0.2631
1360.0	0.2600	0.2601	0.2602	0.2603	0.2604	0.2610	0.2616	0.2622	0.2628	0.2634
1370.0	0.2603	0.2604	0.2605	0.2606	0.2607	0.2613	0.2619	0.2625	0.2631	0.2637
1380.0	0.2606	0.2607	0.2608	0.2609	0.2610	0.2616	0.2622	0.2628	0.2634	0.2640
1390.0	0.2609	0.2610	0.2611	0.2612	0.2613	0.2619	0.2625	0.2631	0.2637	0.2643
1400.0	0.2612	0.2613	0.2614	0.2615	0.2616	0.2622	0.2628	0.2634	0.2640	0.2646
1410.0	0.2615	0.2616	0.2617	0.2618	0.2619	0.2625	0.2631	0.2637	0.2643	0.2649

SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA)	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
DEGREES R										
1420.0	0.2620	0.2620	0.2620	0.2621	0.2622	0.2622	0.2622	0.2622	0.2622	0.2622
1430.0	0.2623	0.2623	0.2624	0.2624	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625
1440.0	0.2626	0.2626	0.2627	0.2627	0.2628	0.2628	0.2628	0.2628	0.2628	0.2628
1450.0	0.2629	0.2629	0.2630	0.2630	0.2631	0.2631	0.2631	0.2631	0.2631	0.2631
1460.0	0.2632	0.2632	0.2633	0.2633	0.2634	0.2634	0.2634	0.2634	0.2634	0.2634
1470.0	0.2635	0.2635	0.2636	0.2636	0.2637	0.2637	0.2637	0.2637	0.2637	0.2637
1480.0	0.2638	0.2638	0.2639	0.2639	0.2640	0.2640	0.2640	0.2640	0.2640	0.2640
1490.0	0.2641	0.2641	0.2642	0.2642	0.2643	0.2643	0.2643	0.2643	0.2643	0.2643
1500.0	0.2644	0.2644	0.2645	0.2645	0.2646	0.2646	0.2646	0.2646	0.2646	0.2646
1510.0	0.2647	0.2647	0.2648	0.2648	0.2649	0.2649	0.2649	0.2649	0.2649	0.2649
1520.0	0.2650	0.2650	0.2651	0.2651	0.2652	0.2652	0.2652	0.2652	0.2652	0.2652
1530.0	0.2653	0.2653	0.2654	0.2654	0.2655	0.2655	0.2655	0.2655	0.2655	0.2655
1540.0	0.2656	0.2656	0.2657	0.2657	0.2658	0.2658	0.2658	0.2658	0.2658	0.2658
1550.0	0.2659	0.2659	0.2660	0.2660	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661
1560.0	0.2662	0.2662	0.2663	0.2663	0.2664	0.2664	0.2664	0.2664	0.2664	0.2664
1570.0	0.2665	0.2665	0.2666	0.2666	0.2667	0.2667	0.2667	0.2667	0.2667	0.2667
1580.0	0.2668	0.2668	0.2669	0.2669	0.2670	0.2670	0.2670	0.2670	0.2670	0.2670
1590.0	0.2671	0.2671	0.2672	0.2672	0.2673	0.2673	0.2673	0.2673	0.2673	0.2673
1600.0	0.2674	0.2674	0.2675	0.2675	0.2676	0.2676	0.2676	0.2676	0.2676	0.2676
1610.0	0.2677	0.2677	0.2678	0.2678	0.2679	0.2679	0.2679	0.2679	0.2679	0.2679
1620.0	0.2680	0.2680	0.2681	0.2681	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682
1630.0	0.2683	0.2683	0.2684	0.2684	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685
1640.0	0.2686	0.2686	0.2687	0.2687	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688
1650.0	0.2689	0.2689	0.2690	0.2690	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691
1660.0	0.2691	0.2691	0.2692	0.2692	0.2693	0.2693	0.2693	0.2693	0.2693	0.2693
1670.0	0.2694	0.2694	0.2695	0.2695	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696
1680.0	0.2697	0.2697	0.2698	0.2698	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699
1690.0	0.2700	0.2700	0.2701	0.2701	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702
1700.0	0.2703	0.2703	0.2704	0.2704	0.2705	0.2705	0.2705	0.2705	0.2705	0.2705
1710.0	0.2706	0.2706	0.2707	0.2707	0.2708	0.2708	0.2708	0.2708	0.2708	0.2708
1720.0	0.2709	0.2709	0.2710	0.2710	0.2711	0.2711	0.2711	0.2711	0.2711	0.2711
1730.0	0.2712	0.2712	0.2713	0.2713	0.2714	0.2714	0.2714	0.2714	0.2714	0.2714
1740.0	0.2715	0.2715	0.2716	0.2716	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717
1750.0	0.2718	0.2718	0.2719	0.2719	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720
1760.0	0.2721	0.2721	0.2722	0.2722	0.2723	0.2723	0.2723	0.2723	0.2723	0.2723
1770.0	0.2724	0.2724	0.2725	0.2725	0.2726	0.2726	0.2726	0.2726	0.2726	0.2726
1780.0	0.2727	0.2727	0.2728	0.2728	0.2729	0.2729	0.2729	0.2729	0.2729	0.2729
1790.0	0.2730	0.2730	0.2731	0.2731	0.2732	0.2732	0.2732	0.2732	0.2732	0.2732
1800.0	0.2733	0.2733	0.2734	0.2734	0.2735	0.2735	0.2735	0.2735	0.2735	0.2735

**Table 4. Enthalpy of $C_n H_{1.95n}$ /Air Exhaust Gas for
Various Temperatures and Pressures**

Temperature Range: 600 to 2,730°R

0.5 to 600.0 psia* 

*Exhaust gas assumed to be non-dissociated over the temperature range from
600 to 2,730°R.

ENTHALPY

PRESSURE = 0.5 - 600 PSIA
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
610.0	144.0520	144.1969	144.4135	145.1259	145.8245	146.5097	147.1819	147.8413	148.4956
620.0	146.6471	146.5966	146.8202	147.5554	148.2767	148.9834	149.6771	150.3576	151.0264
630.0	149.0749	149.0291	149.2596	150.0177	150.761	151.4902	152.2055	152.9072	153.5966
640.0	151.3743	151.4633	151.7008	152.4821	153.2482	153.9995	154.7367	155.4599	156.1680
650.0	153.7741	153.8973	154.1425	154.9473	155.7365	156.5106	157.2700	158.0150	158.7468
660.0	156.1439	156.3326	156.5845	157.4133	158.2261	159.0231	159.8052	160.5724	161.3268
670.0	158.5942	158.7678	159.0272	159.8804	160.7170	161.5375	162.3425	163.1322	163.9063
680.0	161.0000	161.1581	161.4000	162.3627	163.2030	164.0277	164.8359	165.6281	166.4047
690.0	163.4225	163.6060	163.8801	164.7418	165.5860	166.4132	167.2241	168.0197	168.7997
700.0	165.8237	166.0383	166.2902	167.2474	168.0866	168.9083	169.7132	170.5014	171.2726
710.0	168.2601	168.4742	168.7641	169.7180	170.5534	171.3708	172.1709	172.9539	173.7191
720.0	170.7180	170.9173	171.2151	172.1947	173.0554	173.8975	174.7219	175.5286	176.3183
730.0	173.1562	173.3408	173.6645	174.6721	175.5581	176.4255	177.2744	178.1052	178.9185
740.0	175.5944	175.7644	176.1177	177.1502	178.0674	178.9656	179.8449	180.7053	181.5478
750.0	178.0336	178.2490	178.5708	179.6295	180.5674	181.4856	182.3840	183.2637	184.1339
760.0	180.4800	180.7007	181.0303	182.1147	183.0780	184.0209	184.9440	185.8477	186.7321
770.0	182.9232	183.1493	183.4870	184.5980	185.5874	186.5559	187.5040	188.4325	189.3409
780.0	185.3608	185.5925	185.9387	187.0776	188.0544	189.0287	190.0000	190.9585	191.9047
790.0	187.7956	188.0330	188.3752	189.5498	190.5076	191.4524	192.3849	193.3053	194.2137
800.0	190.2521	190.4951	190.8382	192.0526	193.0000	193.9324	194.8509	195.7553	196.6467
810.0	192.6993	192.9482	193.2999	194.5430	195.4821	196.4085	197.3225	198.2240	199.1134
820.0	195.1463	195.4010	195.7616	197.0345	198.0021	198.9533	199.8885	200.8077	201.7100
830.0	197.5977	197.8582	198.2263	199.5474	200.5021	201.4437	202.3725	203.2885	204.1918
840.0	200.0497	200.3160	200.6847	202.0622	203.0045	203.9337	204.8498	205.7537	206.6456
850.0	202.5128	202.7801	203.1486	204.5498	205.4818	206.4037	207.3166	208.2204	209.1153
860.0	204.9743	205.2437	205.6133	207.0547	208.0000	208.9324	209.8509	210.7553	211.6467
870.0	207.4349	207.7043	208.0749	209.5854	210.5400	211.4824	212.4125	213.3290	214.2323
880.0	209.8934	210.1633	210.5349	212.0931	213.0500	214.0000	214.9425	215.8767	216.8025
890.0	212.3539	212.6243	213.0000	214.5880	216.0151	216.9425	217.8600	218.7685	219.6677
900.0	214.8143	215.1135	215.4133	217.0500	218.4800	219.4000	220.3125	221.2167	222.1125
910.0	217.2749	217.5743	217.8743	219.5535	221.0000	221.9125	222.8167	223.7125	224.6083
920.0	219.7354	220.0349	220.3349	222.0547	223.5000	224.4125	225.3167	226.2125	227.1083
930.0	222.1959	222.4954	222.7954	224.5547	226.0000	226.9125	227.8167	228.7125	229.6083
940.0	224.6564	224.9559	225.2559	227.0547	228.5000	229.4125	230.3167	231.2125	232.1083
950.0	227.1169	227.4164	227.7164	229.5547	231.0000	231.9125	232.8167	233.7125	234.6083
960.0	229.5774	229.8769	230.1769	232.0547	233.5000	234.4125	235.3167	236.2125	237.1083
970.0	232.0379	232.3374	232.6374	234.5547	236.0000	236.9125	237.8167	238.7125	239.6083
980.0	234.4984	234.7979	235.0979	237.0547	238.5000	239.4125	240.3167	241.2125	242.1083
990.0	236.9589	237.2584	237.5584	239.5547	241.0000	241.9125	242.8167	243.7125	244.6083
1000.0	239.4194	239.7189	240.0189	242.0547	243.5000	244.4125	245.3167	246.2125	247.1083
1010.0	241.8799	242.1794	242.4794	244.5547	246.0000	246.9125	247.8167	248.7125	249.6083
1020.0	244.3404	244.6399	244.9399	247.0547	248.5000	249.4125	250.3167	251.2125	252.1083
1030.0	246.7999	247.0994	247.3994	249.5547	251.0000	251.9125	252.8167	253.7125	254.6083
1040.0	249.2594	249.5589	249.8589	252.0547	253.5000	254.4125	255.3167	256.2125	257.1083
1050.0	251.7199	252.0194	252.3194	254.5547	256.0000	256.9125	257.8167	258.7125	259.6083
1060.0	254.1794	254.4789	254.7789	257.0547	258.5000	259.4125	260.3167	261.2125	262.1083
1070.0	256.6399	256.9394	257.2394	259.5547	261.0000	261.9125	262.8167	263.7125	264.6083
1080.0	259.0994	259.3989	259.6989	262.0547	263.5000	264.4125	265.3167	266.2125	267.1083
1090.0	261.5599	261.8594	262.1594	264.5547	266.0000	266.9125	267.8167	268.7125	269.6083
1100.0	264.0194	264.3189	264.6189	267.0547	268.5000	269.4125	270.3167	271.2125	272.1083
1110.0	266.4799	266.7794	267.0794	270.0547	271.5000	272.4125	273.3167	274.2125	275.1083
1120.0	268.9394	269.2389	269.5389	272.0547	273.5000	274.4125	275.3167	276.2125	277.1083
1130.0	271.3999	271.6994	271.9994	274.5547	276.0000	276.9125	277.8167	278.7125	279.6083

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ENTHALPY

PRESSURE = 0.5 - 60ATM
TEMPERATURE / FUEL/AIR RATIO

TEMPERATURE / FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.050	0.080	0.100
1140.0	277.7080	278.1726	278.6667	281.197	283.3087	285.8642	287.7385	289.8518
1150.0	280.2607	280.7322	281.2110	283.7526	286.0273	288.4631	290.6631	291.3076
1160.0	282.8182	283.2952	283.7810	286.3425	288.6694	291.0319	293.1516	295.3291
1170.0	285.3753	285.8505	286.3344	288.9739	291.3149	293.7111	295.8638	298.0737
1180.0	287.9315	288.4294	288.9358	291.5884	293.9639	296.2942	298.5798	300.8223
1190.0	290.4877	291.0012	291.5183	294.2081	296.6169	299.0810	301.5000	303.5752
1200.0	293.0438	293.5764	294.1134	296.8779	299.2729	301.6714	304.0239	306.3320
1210.0	295.5999	296.1563	296.7231	299.4786	301.8774	304.2817	306.7520	309.0928
1220.0	298.1560	298.7356	299.3251	302.0806	304.5959	307.0630	309.4834	311.8579
1230.0	300.7121	301.3201	301.9387	304.7177	306.9185	309.2630	311.6270	314.2856
1240.0	303.2682	303.9070	304.5567	307.3644	309.9329	312.4697	314.9583	317.3997
1250.0	305.8243	306.4980	307.1778	309.9449	312.6077	315.1780	317.7019	320.1770
1260.0	308.3804	309.0908	309.8148	312.657	315.2839	317.8909	320.4487	322.9578
1270.0	311.1288	311.8880	312.6510	315.2108	317.9648	320.6074	323.1997	325.7432
1280.0	313.7209	314.2874	315.1338	317.9145	320.6489	323.3271	325.9543	328.5317
1290.0	316.3159	316.8904	317.7418	320.5186	323.3367	326.0503	328.7129	331.3247
1300.0	318.9143	319.4963	320.3652	323.2746	326.0281	328.7778	331.4753	334.1218
1310.0	321.5114	322.1050	322.9881	325.8821	328.7324	331.5083	333.2412	336.0224
1320.0	324.1201	324.7170	325.6089	328.5435	331.4209	334.2627	336.0115	339.7275
1330.0	326.7217	327.3320	328.2376	331.2717	333.6807	336.9807	339.7852	342.5361
1340.0	329.3279	329.9504	330.8655	333.1657	336.4274	339.1224	342.5627	345.3469
1350.0	331.9317	332.5720	333.4983	336.5149	339.5711	342.4880	345.3450	348.1658
1360.0	334.5681	335.1963	336.1343	339.2712	342.2478	345.2166	348.1289	350.9861
1370.0	337.1870	337.8235	338.7734	341.8888	344.9634	347.9590	350.9177	353.8105
1380.0	339.8098	340.4539	341.4155	344.5193	347.6819	350.7249	353.7100	356.6387
1390.0	342.4317	343.0876	344.0513	347.0211	350.3813	354.4895	358.5083	362.5709
1400.0	345.0645	345.7241	346.6895	349.9712	353.1299	356.7478	359.8709	364.9739
1410.0	347.6963	348.3640	349.3311	352.6121	355.8594	359.0146	362.3069	367.2318
1420.0	350.3308	351.0063	352.0156	355.3157	358.5913	361.7844	364.9172	367.9902
1430.0	352.9653	353.6523	354.6733	358.0130	361.3274	364.3583	367.7283	370.8379
1440.0	355.6099	356.3015	357.3347	360.7739	364.0669	367.3362	370.5432	373.8495
1450.0	358.2534	358.9534	359.9881	363.4773	366.8096	370.1169	373.3616	376.5687
1460.0	360.9004	361.6084	362.6660	366.1448	369.5559	372.0016	376.1038	379.5038
1470.0	363.5510	364.2664	365.3357	368.6447	372.3052	375.6895	379.0093	382.2654
1480.0	366.2034	366.9277	368.0095	371.5884	375.0583	378.8812	381.8391	385.1333
1490.0	368.8544	369.5918	370.6714	374.2442	377.8145	381.2711	385.6721	388.0037
1500.0	371.5183	372.2590	373.3652	377.0751	380.5742	384.0747	387.5088	390.8777
1510.0	374.1849	374.9297	376.0481	379.7721	383.1114	386.8772	390.3696	393.1985
1520.0	376.8442	377.6025	378.7336	382.4566	386.1035	389.6821	393.1931	395.7551
1530.0	379.5117	380.2793	381.4226	385.1748	388.8735	392.4917	396.0608	399.0100
1540.0	382.1851	382.9587	384.1147	387.9177	391.6467	395.3042	398.8923	401.9216
1550.0	384.8581	385.6414	386.8088	390.6338	394.4233	398.1204	401.7471	405.3054
1560.0	387.5311	388.3269	389.5078	393.3931	397.2031	400.9399	404.6055	408.2019
1570.0	390.2163	391.0154	392.2090	396.1357	399.8411	403.7627	407.4675	411.1021
1580.0	392.8997	393.7073	394.9136	398.6118	402.7729	406.8894	410.3333	414.0663
1590.0	395.5817	396.4019	397.6206	401.6306	405.5625	409.4188	413.2026	416.9143
1600.0	398.2744	399.1001	400.3315	404.3744	408.3562	412.2527	416.0754	419.8257
1610.0	400.9645	401.8008	403.0440	407.1784	411.1523	415.0894	418.9517	422.7407
1620.0	403.6631	404.5066	405.7617	409.8870	413.9524	417.9297	421.8315	425.6594
1630.0	406.3613	407.2117	408.4812	412.6589	416.7783	420.7734	424.7148	428.5818
1640.0	409.0645	409.9214	411.2041	415.4741	419.5620	423.6206	427.6018	431.5078
1650.0	411.7611	412.6343	413.9244	418.1911	422.3718	426.4709	430.4924	434.4375
1660.0	414.4711	415.3506	416.6587	420.9436	425.1846	429.3247	433.3862	437.3706
1670.0	417.1811	418.0698	419.3909	423.7385	428.0012	432.1824	436.2839	440.3079

ENTHALPY

PRESSURE = 0.5 - 600 (PSIA)

TEMPERATURE / FUEL-AIR RATIO

DEGREES R	0.000	0.007	0.010	0.020	0.030	0.050	0.050	0.060	0.067
1680.0	419.8979	420.7917	422.1257	426.5159	430.8208	435.0427	439.1848	443.2483	446.0474
1690.0	422.6147	423.5188	424.8644	429.2469	433.5438	437.9070	442.0894	446.1924	449.0189
1700.0	425.3342	426.2451	427.6055	431.9813	436.2700	440.7655	445.5979	450.7404	455.9961
1710.0	428.0564	428.9763	430.3499	434.7269	439.0296	443.6455	448.5989	453.9016	459.4727
1720.0	430.7822	431.7107	433.0922	437.4689	441.7652	446.5198	451.6464	457.1404	463.0089
1730.0	433.5107	434.4478	435.8474	440.2246	444.5263	449.3972	454.7422	460.5666	466.8851
1740.0	436.2424	437.1882	438.6013	443.2495	447.8079	452.7833	458.1843	464.0168	470.2869
1750.0	438.9768	439.9318	441.3577	446.0492	450.6504	455.6828	461.1513	467.0668	473.4339
1760.0	441.7144	442.6782	444.1174	448.8528	453.4963	458.5805	464.1183	470.1066	476.5521
1770.0	444.4548	445.4272	446.8901	451.6589	456.3452	461.5114	467.1804	473.3501	479.9250
1780.0	447.1982	448.1797	449.6458	454.8685	459.5978	464.8359	470.5860	476.8501	483.6331
1790.0	449.9451	450.9355	452.4148	457.6815	462.4535	467.7339	473.5252	479.8301	486.6538
1800.0	452.6946	453.6938	455.1863	460.4969	465.3121	470.6368	476.4766	482.8317	489.7073
1810.0	455.4500	456.4585	457.9681	462.9202	467.7795	473.2534	479.1277	485.5073	492.4073
1820.0	458.2078	459.2256	460.7454	466.2444	471.0694	476.5533	482.5328	489.0169	496.0128
1830.0	460.9675	461.9944	463.5211	468.5737	473.5215	478.3780	484.3533	490.8071	497.8857
1840.0	463.7292	464.7654	466.3127	471.4036	476.3955	481.2917	487.3059	493.8118	500.8228
1850.0	466.4929	467.5383	469.0936	474.2258	479.2722	484.2117	490.2579	496.8188	503.8935
1860.0	469.2585	470.3132	471.8879	477.0696	482.1506	487.1360	493.2229	500.1228	507.2165
1870.0	472.0261	473.0898	474.6717	479.9058	485.0315	490.0586	496.1993	502.8413	509.2036
1880.0	474.7957	475.8689	477.4717	482.7444	487.9140	492.9858	499.1607	505.8564	512.2942
1890.0	477.5676	478.6499	480.2844	485.5850	490.8003	495.9155	502.1036	508.8738	515.7635
1900.0	480.3408	481.4326	483.0632	488.4275	493.6880	498.8469	505.0084	511.8938	518.9355
1910.0	483.1162	484.2175	485.8618	491.2722	496.5776	501.7813	508.0857	514.9145	521.8818
1920.0	485.8938	487.0044	488.6678	494.1194	499.4700	504.7178	511.0803	517.9472	524.9301
1930.0	488.6731	489.7930	491.4673	496.9683	502.3680	507.6563	514.0328	520.9071	527.8818
1940.0	491.4546	492.5840	494.2678	499.6196	505.0610	510.3974	517.8201	525.3393	532.9689
1950.0	494.2378	495.3767	497.0714	502.6726	508.1594	513.5408	521.1093	528.7798	536.5707
1960.0	497.0229	498.1714	499.8862	505.5281	511.0603	516.4883	524.2408	532.0315	539.9689
1970.0	499.8105	500.9685	502.6973	508.3857	513.9639	519.4366	526.8057	533.8693	540.9318
1980.0	502.5994	503.7668	505.5094	511.2451	516.6689	522.3848	529.7959	537.1045	544.6128
1990.0	505.3911	506.5676	508.3277	514.1074	519.7771	525.3379	532.7932	540.1453	547.5938
2000.0	508.1846	509.3708	511.1426	516.9714	522.6873	528.2932	535.7927	543.1882	550.7868
2010.0	510.9792	512.1750	513.9812	519.8372	525.5991	531.2502	538.7944	546.2332	553.8797
2020.0	513.7766	514.9822	516.7825	522.7056	528.5137	534.2104	541.7988	549.2813	556.8591
2030.0	516.5757	517.7908	519.6033	525.7559	531.4307	537.1724	544.8057	552.3387	560.0073
2040.0	519.3765	520.6013	522.4304	528.6482	534.3491	540.1370	547.8145	555.3845	563.1387
2050.0	522.1797	523.4111	525.2511	531.3226	537.2705	543.1035	549.8262	556.4402	563.3076
2060.0	524.9851	526.2290	528.0872	534.2000	540.1941	546.0730	552.8403	559.4985	566.3052
2070.0	527.7917	529.0457	530.9182	537.0786	543.1194	548.9444	555.6967	562.3591	569.3671
2080.0	530.6011	531.8645	533.7515	539.9600	546.0479	552.0186	558.7660	565.4226	572.3308
2090.0	533.4114	534.6851	536.5864	542.8428	548.9775	555.0964	561.8970	568.5877	575.7759
2100.0	536.2244	537.5076	539.4288	545.7280	551.8095	557.9729	564.9209	571.7561	578.9799
2110.0	539.0395	540.3323	542.2632	548.6515	554.8647	560.9659	567.9470	574.8271	581.9812
2120.0	541.8562	543.1589	545.1045	551.5049	557.7813	563.9368	570.9758	577.9001	585.0081
2130.0	544.6750	545.9878	547.9473	554.3967	560.7205	566.9278	573.9068	580.7542	588.1970
2140.0	547.4958	548.8181	550.7930	557.2900	563.6614	569.9102	576.9403	583.8542	591.3038
2150.0	550.3184	551.6509	553.6471	560.1860	566.5050	572.7904	579.7062	586.4591	593.9088
2160.0	553.1433	554.4856	556.4897	563.0845	569.5510	575.8931	582.1150	588.2190	595.4238
2170.0	555.9697	557.3218	559.3878	566.0451	572.4931	578.8877	585.1353	591.3687	598.6604
2180.0	558.7984	560.1609	562.1948	568.8867	575.4492	581.8853	588.1990	594.3936	601.7822
2190.0	561.6289	563.0016	565.0498	571.7908	578.3811	584.8861	591.2844	597.6861	604.9972
2200.0	564.4614	565.8435	567.9075	574.6975	581.3560	587.8861	594.2972	600.7179	607.9972
2210.0	567.2961	568.6882	570.7455	577.6062	584.3130	590.8908	597.3635	603.8741	610.9369

ENTHALPY

PRESSURE = 0.5 - 60 MPASIAI

TEMPERATURE / DEGREES R	0.000	0.007	0.010	0.013	0.016	0.019	0.022	0.025	0.028	0.031	0.034	0.037	0.040	0.043	0.046	0.049	0.052	0.055	0.058	0.061	0.064	0.067	0.070
2220.0	570.328	571.5347	573.6284	580.5173	593.9972	587.2722	593.9972	600.3905	606.7727	611.1050													
2230.0	572.011	574.3835	576.4922	583.3711	596.8510	590.1260	596.8510	603.2443	609.6265	614.9588													
2240.0	575.1114	577.2339	579.3577	586.2366	599.7165	593.0015	599.7165	606.1098	612.4920	617.8243													
2250.0	578.6111	580.0864	582.2253	589.1042	602.5841	595.8691	602.5841	608.9824	615.3646	620.6969													
2260.0	581.4988	582.9412	585.0952	592.1821	605.6620	598.9470	605.6620	612.0442	618.4264	623.7589													
2270.0	584.1117	585.7979	587.9668	595.1035	608.5834	601.8684	608.5834	614.9656	621.3478	626.6803													
2280.0	587.1934	588.6560	590.8158	597.9525	611.4324	604.7174	611.4324	617.8146	624.1968	629.5293													
2290.0	590.1717	591.5165	593.7158	600.8804	614.3603	607.6453	614.3603	620.7425	627.1247	632.4572													
2300.0	592.8958	594.3787	596.5935	603.8804	617.3603	610.6453	617.3603	623.4425	629.8247	635.1572													
2310.0	595.7507	597.2434	599.4734	606.8105	620.2904	613.5754	620.2904	626.3726	632.7548	638.0873													
2320.0	598.6062	600.1099	602.3552	609.7424	623.2203	616.5053	623.2203	629.3025	635.6847	640.9172													
2330.0	601.4414	602.9780	605.2388	612.6148	625.0907	618.3757	625.0907	631.1729	637.5551	642.7876													
2340.0	604.1247	605.8491	608.1248	615.6135	628.5034	621.7884	628.5034	634.5856	640.9678	646.2003													
2350.0	607.1811	608.7212	611.0125	618.3811	631.8026	625.0876	631.8026	637.8848	644.2670	649.5005													
2360.0	610.6510	611.5957	613.9026	621.4924	634.8026	628.0876	634.8026	640.8848	647.2670	652.5005													
2370.0	612.6117	614.4722	616.7944	624.3842	637.3842	630.6692	637.3842	643.4664	649.8486	655.0811													
2380.0	615.7647	617.3503	619.6880	627.3799	640.0022	633.2872	640.0022	646.0844	652.4666	657.7001													
2390.0	618.6811	620.2307	622.5842	630.3271	642.8245	636.1095	642.8245	648.9067	655.2889	660.5214													
2400.0	621.4269	623.1133	625.4619	633.2764	646.0022	639.2872	646.0022	652.0894	658.4716	663.7041													
2410.0	624.4704	626.2066	628.3818	636.3311	649.3811	642.6661	649.3811	655.7633	662.1455	667.3780													
2420.0	627.2766	629.0838	631.2839	639.1809	652.5811	645.8661	652.5811	658.9633	665.3477	670.5802													
2430.0	630.1545	631.7722	634.1880	642.1365	655.9811	649.2661	655.9811	662.0833	668.4655	673.6980													
2440.0	633.3342	634.6624	637.0940	645.0422	658.1811	651.4661	658.1811	664.2983	670.6780	675.9105													
2450.0	635.4110	637.5549	640.0022	648.0400	660.2611	653.5461	660.2611	666.3733	672.3580	677.5905													
2460.0	638.1998	640.4492	642.9121	651.0156	662.3311	655.6161	662.3311	668.4433	674.0380	679.2705													
2470.0	641.6858	643.3459	645.8245	653.7811	664.4011	657.6861	664.4011	670.5133	676.0008	681.2333													
2480.0	644.5735	646.2437	648.7385	656.9633	666.2811	659.5661	666.2811	672.3933	677.8808	683.1133													
2490.0	647.4629	649.1440	651.6545	659.8133	668.1611	661.4461	668.1611	674.1733	679.6608	684.8933													
2500.0	650.3547	652.0466	654.5730	662.8853	670.0011	663.2861	670.0011	676.0133	681.5008	686.7333													
2510.0	653.2485	654.9509	657.4932	665.8579	673.0011	666.3021	673.0011	679.0133	684.5008	689.7333													
2520.0	656.1438	657.8567	660.4153	668.8323	675.9011	669.3861	675.9011	681.9133	687.4008	692.6333													
2530.0	659.0415	660.7651	663.3394	671.8811	678.7811	672.2861	678.7811	684.7933	690.2808	695.5133													
2540.0	661.6409	663.6755	666.2656	674.7811	681.5811	675.0861	681.5811	687.5933	693.0808	698.3133													
2550.0	664.8423	666.5876	669.1938	677.7650	684.5611	678.0661	684.5611	690.5733	696.0608	701.2933													
2560.0	667.7458	669.5020	672.1243	680.7522	687.5411	681.0461	687.5411	693.5533	699.0408	704.2733													
2570.0	670.4114	672.4182	675.0566	683.3718	690.1611	683.6661	690.1611	696.1733	701.6608	706.9933													
2580.0	673.5866	675.3362	677.9910	686.7251	693.5111	687.0161	693.5111	699.5233	705.0108	710.3433													
2590.0	676.4110	678.2566	680.9275	689.7148	696.5011	690.0061	696.5011	702.5133	708.0008	713.3333													
2600.0	679.1794	681.1787	683.8657	692.7065	699.4911	693.0061	699.4911	705.5033	711.0008	716.3333													
2610.0	682.2111	684.1050	686.8064	695.7007	702.4911	696.0061	702.4911	708.5033	714.0008	719.3333													
2620.0	685.2080	687.0291	689.7485	698.6968	705.4811	699.0061	705.4811	711.4933	717.0008	722.3333													
2630.0	688.1117	689.9573	692.6934	701.6948	708.4811	702.0061	708.4811	714.4933	720.0008	725.3333													
2640.0	691.4444	692.8875	695.6396	704.6951	711.4811	705.0061	711.4811	717.4933	723.0008	728.3333													
2650.0	693.6111	695.8196	698.5881	707.6975	714.4811	708.0061	714.4811	720.4933	726.0008	731.3333													
2660.0	696.4089	698.7539	701.5388	710.7021	717.4811	711.0061	717.4811	723.4933	729.0008	734.3333													
2670.0	699.4140	701.6899	704.4912	713.7011	720.4811	714.0061	720.4811	726.4933	732.0008	737.3333													
2680.0	702.4110	704.6279	707.4458	716.7175	723.4811	717.0061	723.4811	729.4933	735.0008	740.3333													
2690.0	705.4102	707.5684	710.4026	719.7241	726.4811	720.0061	726.4811	732.4933	738.0008	743.3333													
2700.0	708.4011	710.5103	713.3611	722.7415	729.4811	723.0061	729.4811	735.4933	741.0008	746.3333													
2710.0	711.4111	713.4509	716.3186	725.7542	732.4811	726.0061	732.4811	738.4933	744.0008	749.3333													
2720.0	714.4612	716.3928	719.2773	728.7681	735.4811	729.0061	735.4811	741.4933	747.0008	752.3333													
2730.0	717.4928	719.3357	722.2371	731.7830	738.4811	732.0061	738.4811	744.4933	750.0008	755.3333													

Table 4. Continued

Temperature Range: 2,740 to 4,000° R

0.5 to 14.696 psia



PRESSURE = 0.5000		ENTHALPY									
TEMPERATURE / FUEL/AIR RATIO											
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
2740.0	720.3687	722.3225	725.2477	734.8442	744.2593	753.4977	762.5476	771.4331	777.5618		
2750.0	723.3638	725.3303	728.2673	737.9263	747.3955	756.6797	765.7859	774.7195	780.8955		
2760.0	726.3608	728.3398	731.2959	741.0110	750.5349	759.8704	769.0261	778.0073	784.2338		
2770.0	729.3611	731.3523	734.3254	744.0986	753.6770	763.0649	772.2700	781.2996	787.5762		
2780.0	732.3635	734.3674	737.3596	747.1892	756.8215	766.2659	775.5188	784.5945	790.9241		
2790.0	735.3689	737.3848	740.3948	750.2485	759.9692	769.4617	778.7664	787.8926	794.2761		
2800.0	738.3770	740.4055	743.4333	753.3189	763.1204	772.6653	782.0203	791.1948	797.6353		
2810.0	741.3872	743.4285	746.4766	756.4780	766.2742	775.8711	785.2764	794.4995	800.9990		
2820.0	744.4006	746.4543	749.5188	759.5806	769.4316	779.0811	788.5361	797.8091	804.3696		
2830.0	747.4167	749.4829	752.5659	762.6853	772.5923	782.2935	791.7996	801.1223	807.7456		
2840.0	750.4351	752.5146	755.6162	765.7942	775.7561	785.5058	795.0654	804.4390	811.1289		
2850.0	753.4565	755.5488	758.6653	768.9055	778.9229	788.7297	798.3362	807.7595	814.5183		
2860.0	756.4817	758.5867	761.7212	772.0210	782.0933	791.9529	801.6106	811.0847	817.9163		
2870.0	759.5088	761.6277	764.7808	775.1389	785.2676	795.1807	804.8879	814.4143	821.3210		
2880.0	762.5391	764.6784	767.8435	778.2612	788.4448	798.4114	808.1704	817.7478	824.7327		
2890.0	765.5725	767.7175	770.9047	781.3865	791.6267	801.6458	811.4565	821.0869	828.1538		
2900.0	768.6091	770.7671	773.9773	784.5151	794.8113	804.8858	814.7471	824.5299	831.5815		
2910.0	771.6492	773.8201	777.0438	787.6479	798.0000	808.1257	818.0417	827.7786	835.0195		
2920.0	774.6921	776.8770	780.1250	790.7834	801.1931	811.3760	821.3603	831.1323	838.6858		
2930.0	777.7383	779.9333	783.2041	793.9238	804.3899	814.6252	824.6440	834.4907	841.9231		
2940.0	780.7876	782.9968	786.2859	797.0659	807.5908	817.8804	827.9521	837.8557	845.3892		
2950.0	783.8403	786.0627	789.3738	800.2151	810.7957	821.1406	831.2656	841.2251	848.8652		
2960.0	786.8970	789.1328	792.4629	803.3672	814.0056	824.4068	834.5860	844.6013	852.3528		
2970.0	789.9563	792.2065	795.5574	806.5232	817.2195	827.6741	837.9075	847.9839	855.8513		
2980.0	793.0181	795.2844	798.6555	809.6831	820.4375	830.9482	841.2354	851.3728	859.3611		
2990.0	796.0854	798.3657	801.7566	812.8477	823.6609	834.2273	844.5698	854.7678	862.8899		
3000.0	799.1558	801.4507	804.8618	816.0156	826.8887	837.5112	847.9094	858.1697	866.4246		
3010.0	802.2302	804.5400	807.9712	819.1297	830.1213	840.8013	851.2554	861.5793	869.9736		
3020.0	805.3086	807.6331	811.0850	822.3682	833.3594	844.0952	854.6072	864.9958	873.5347		
3030.0	808.3909	810.7295	814.2029	825.5505	836.6023	847.3967	857.9648	868.4211	877.1104		
3040.0	811.4788	813.8301	817.3250	828.7378	839.8503	850.7024	861.3293	871.8521	880.7002		
3050.0	814.5674	816.9360	820.4524	831.9309	843.1042	854.0156	864.7002	875.2937	884.3054		
3060.0	817.6614	820.0461	823.5860	835.1287	846.3635	857.3360	868.0781	878.7427	887.9268		
3070.0	820.7607	823.1602	826.7197	838.3318	849.6284	860.6584	871.4626	882.2002	891.5627		
3080.0	823.8633	826.2786	829.8201	841.5398	852.8994	863.9893	874.8545	885.6677	895.2151		
3090.0	826.9714	829.4026	833.0059	844.7532	856.1763	867.3276	878.2544	889.1453	898.8848		
3100.0	830.0837	832.5298	836.1563	847.9727	859.4592	870.6721	881.6621	892.6321	902.5720		
3110.0	833.2007	835.6631	839.3123	851.1980	862.7488	874.0234	885.0776	896.1292	906.2769		
3120.0	836.3218	838.8010	842.4729	854.4287	866.0649	877.3831	888.5017	899.6382	910.0015		
3130.0	839.4487	841.9438	845.6387	857.6658	869.3474	880.7495	891.9343	903.1572	913.7437		
3140.0	842.5803	845.0920	848.8108	860.9092	872.6577	884.1233	895.3757	906.6882	917.5066		
3150.0	845.7158	848.2454	851.9878	864.1547	875.9736	887.5049	898.8264	910.2297	921.2893		
3160.0	848.8577	851.4038	855.1709	867.4148	879.2981	890.8960	902.2864	913.7859	925.0923		
3170.0	852.0044	854.5684	858.3594	870.6780	882.6294	894.2944	905.7559	917.3535	928.9180		
3180.0	855.1575	857.7390	861.5550	873.9475	885.9688	897.7024	909.2363	920.9358	932.7659		
3190.0	858.3149	860.9143	864.7556	877.2241	889.3159	901.1187	912.7266	924.5304	936.6353		
3200.0	861.4788	864.0964	867.9626	880.5078	892.6719	904.5444	916.2283	928.1421	940.5289		
3210.0	864.6479	867.2839	871.1758	883.8005	896.0356	907.9797	919.7415	931.7666	944.4451		
3220.0	867.8242	870.4778	874.3965	887.0991	899.4087	911.4250	923.2656	935.4067	948.3857		
3230.0	871.0066	873.6760	877.6233	890.4060	902.7900	914.8813	926.8025	939.0645	952.3535		
3240.0	874.1934	876.8855	880.8572	893.7214	906.1804	918.3559	930.3511	942.7371	956.3555		
3250.0	877.3875	880.0986	884.0977	897.0444	909.5806	921.6237	933.9121	946.4282	960.3647		
3260.0	880.5884	883.3193	887.3459	900.3765	912.9905	925.3113	937.4878	950.1360	964.4111		
3270.0	883.7954	886.5471	890.6021	903.7175	916.4102	928.8108	941.0767	953.6643	968.6885		

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ENTHALPY

TEMPERATURE DEGREES R	0.5000 FUEL/ATR RATIO	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	899.0105	899.7822	899.7822	907.0659	919.8403	932.3231	944.6792	957.0184	972.5856
3290.0	890.2310	893.0249	897.1362	910.4255	923.2813	935.8452	948.2965	961.3765	976.6936
3300.0	881.4597	896.2735	900.4158	913.7933	926.1117	939.3811	951.9296	965.1633	980.8496
3310.0	872.6896	899.5313	903.7034	917.719	931.1958	944.9309	958.5789	972.6032	989.2517
3320.0	863.9395	902.7971	916.8998	930.5366	943.6599	957.4413	971.2422	985.517	993.4998
3330.0	855.1907	906.0704	919.3642	932.9587	946.5570	960.0101	973.9246	988.6233	997.7798
3340.0	846.4495	909.3523	922.672	935.8458	949.8411	963.8411	978.3398	993.4343	1002.0911
3350.0	837.7168	912.6423	925.9399	938.8869	953.1666	967.2459	981.7057	996.3508	1005.4379
3360.0	828.9927	915.9426	929.2725	941.9183	956.2183	970.5917	985.3508	999.8608	1010.8182
3370.0	820.2771	919.2507	932.6143	944.9604	959.2280	973.8237	989.2296	1004.2932	1015.2207
3380.0	811.5698	922.5678	935.9658	948.1143	962.7795	976.8452	992.3395	1007.2994	1019.6702
3390.0	802.8721	925.8953	939.3279	951.1806	965.8447	980.8452	996.3395	1012.2994	1024.1655
3400.0	794.1828	929.2312	942.6990	954.4588	969.1250	984.8452	1000.2994	1015.2994	1029.1655
3410.0	785.5024	932.5779	946.0818	957.5193	972.3302	988.0413	1003.2994	1018.2994	1034.1655
3420.0	776.8328	935.9348	949.4758	960.0554	975.1301	990.2994	1006.2994	1021.2994	1039.1655
3430.0	768.1736	939.3027	952.8806	962.7332	978.1301	993.2994	1009.2994	1024.2994	1044.1655
3440.0	759.5247	942.6803	956.2461	965.1055	981.1301	996.2994	1012.2994	1029.2994	1049.1655
3450.0	750.8848	946.0693	959.7246	968.516	984.1301	999.2994	1015.2994	1034.2994	1054.1655
3460.0	742.2561	949.4688	963.1450	971.9812	987.1301	1002.2994	1018.2994	1039.2994	1059.1655
3470.0	733.6392	952.8821	966.6182	975.4833	990.1301	1005.2994	1021.2994	1044.2994	1064.1655
3480.0	725.0325	956.3057	970.1011	978.9833	993.1301	1008.2994	1024.2994	1049.2994	1069.1655
3490.0	716.4373	959.7412	973.5620	982.4833	996.1301	1011.2994	1027.2994	1054.2994	1074.1655
3500.0	707.8547	963.1890	977.0537	985.9833	999.1301	1014.2994	1030.2994	1059.2994	1079.1655
3510.0	699.2834	966.6406	980.5497	989.4833	1002.1301	1017.2994	1033.2994	1064.2994	1084.1655
3520.0	690.7255	970.1250	984.0599	992.9833	1005.1301	1020.2994	1036.2994	1069.2994	1089.1655
3530.0	682.1799	973.6133	987.5643	996.4833	1008.1301	1023.2994	1039.2994	1074.2994	1094.1655
3540.0	673.6470	977.1147	991.0725	999.9833	1011.1301	1026.2994	1042.2994	1079.2994	1099.1655
3550.0	665.1277	980.6304	994.5823	1003.4833	1014.1301	1029.2994	1045.2994	1084.2994	1104.1655
3560.0	656.6218	984.1606	998.0937	1006.9833	1017.1301	1032.2994	1048.2994	1089.2994	1109.1655
3570.0	648.1304	987.7056	999.6031	1009.4833	1020.1301	1035.2994	1051.2994	1094.2994	1114.1655
3580.0	639.6533	991.2668	996.5144	1012.9833	1023.1301	1038.2994	1054.2994	1099.2994	1119.1655
3590.0	631.1904	994.8423	1000.1448	1016.9833	1026.1301	1041.2994	1057.2994	1104.2994	1124.1655
3600.0	622.7427	998.4344	1003.6388	1020.9833	1029.1301	1044.2994	1060.2994	1109.2994	1129.1655
3610.0	614.3113	1002.0442	1007.4568	1024.9833	1032.1301	1047.2994	1063.2994	1114.2994	1134.1655
3620.0	605.8960	1005.6677	1011.1392	1028.9833	1035.1301	1050.2994	1066.2994	1119.2994	1139.1655
3630.0	607.496	1009.3105	1014.8413	1032.9833	1038.1301	1053.2994	1069.2994	1124.2994	1144.1655
3640.0	609.1130	1012.9712	1018.5810	1036.9833	1041.1301	1056.2994	1072.2994	1129.2994	1149.1655
3650.0	610.7476	1016.6497	1022.3010	1040.9833	1044.1301	1059.2994	1075.2994	1134.2994	1154.1655
3660.0	612.3985	1020.3464	1026.0808	1044.9833	1047.1301	1062.2994	1078.2994	1139.2994	1159.1655
3670.0	614.069	1024.0627	1029.8425	1048.9833	1050.1301	1065.2994	1081.2994	1144.2994	1164.1655
3680.0	615.7554	1027.7981	1033.6443	1052.9833	1053.1301	1068.2994	1084.2994	1149.2994	1169.1655
3690.0	617.463	1031.5542	1037.4673	1056.9833	1056.1301	1071.2994	1087.2994	1154.2994	1174.1655
3700.0	619.1882	1035.3303	1041.3115	1060.9833	1059.1301	1074.2994	1090.2994	1159.2994	1179.1655
3710.0	620.9338	1039.1270	1045.1814	1064.9833	1062.1301	1077.2994	1093.2994	1164.2994	1184.1655
3720.0	622.6904	1042.9460	1049.0735	1068.9833	1065.1301	1080.2994	1096.2994	1169.2994	1189.1655
3730.0	624.4663	1046.7859	1052.9880	1072.9833	1068.1301	1083.2994	1099.2994	1174.2994	1194.1655
3740.0	626.2693	1050.6489	1056.9280	1076.9833	1071.1301	1086.2994	1102.2994	1179.2994	1199.1655
3750.0	628.0938	1054.5352	1060.8931	1080.9833	1074.1301	1089.2994	1105.2994	1184.2994	1204.1655
3760.0	629.9748	1058.4438	1064.8828	1084.9833	1077.1301	1092.2994	1108.2994	1189.2994	1209.1655
3770.0	631.8885	1062.3779	1068.8997	1088.9833	1080.1301	1095.2994	1111.2994	1194.2994	1214.1655
3780.0	633.8277	1066.3367	1072.824	1092.9833	1083.1301	1098.2994	1114.2994	1199.2994	1219.1655
3790.0	635.7880	1070.3206	1076.8146	1096.9833	1086.1301	1101.2994	1117.2994	1204.2994	1224.1655
3800.0	637.7640	1074.3298	1080.8113	1100.9833	1089.1301	1104.2994	1120.2994	1209.2994	1229.1655
3810.0	639.7535	1078.3665	1084.8200	1104.9833	1092.1301	1107.2994	1123.2994	1214.2994	1234.1655

PRESSURE = 0.5000		ENTHALPY									
TEMPERATURE /	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
DEGREES R											
3AP0.0	1077.5791	1082.4287	1089.3967	1111.4177	1132.9233	1155.1121	1179.9665	1213.4661	1255.2703		
3R30.0	1081.6016	1086.5190	1093.5845	1115.9043	1137.7156	1160.2573	1185.5679	1219.7356	1262.0564		
3R40.0	1085.6294	1090.6392	1097.8072	1120.4287	1142.5537	1165.4568	1191.2148	1226.0823	1268.9150		
3R50.0	1089.7251	1094.7844	1102.0513	1124.9924	1147.4421	1170.7163	1196.9529	1232.5090	1275.8506		
3R60.0	1093.8289	1098.9444	1106.3330	1129.5944	1152.3734	1176.0320	1202.7813	1239.0137	1282.8574		
3R70.0	1097.9597	1103.1724	1110.6465	1134.2417	1157.3628	1181.4080	1208.6345	1245.5925	1289.9407		
3R80.0	1102.1211	1107.4102	1114.9937	1138.9294	1162.3992	1186.8447	1214.5820	1252.2551	1297.1021		
3R90.0	1106.3105	1111.6814	1119.3745	1143.6614	1167.4890	1192.3450	1220.6067	1259.0010	1304.3638		
3R00.0	1110.5303	1115.9836	1123.7930	1148.4351	1172.6306	1197.9080	1226.7024	1265.8257	1311.6606		
3R10.0	1114.7827	1120.3191	1128.2466	1153.2546	1177.8269	1203.5349	1232.8740	1272.7336	1319.0569		
3R20.0	1119.0657	1124.6887	1132.7351	1158.1204	1183.0766	1209.2283	1239.1238	1279.7273	1326.5344		
3R30.0	1123.3801	1129.0908	1137.2620	1163.0327	1188.3872	1214.9997	1245.8517	1286.8052	1334.0950		
3R40.0	1127.7290	1133.5303	1141.8279	1167.9929	1193.7537	1220.8186	1251.8591	1293.6643	1341.7363		
3R50.0	1132.1104	1138.0044	1146.4316	1173.0012	1199.1780	1226.7166	1258.3657	1301.2175	1349.4597		
3R60.0	1136.5264	1142.5161	1151.0752	1178.0610	1204.6638	1232.6877	1264.9172	1308.5571	1357.2695		
3R70.0	1140.9778	1147.0640	1155.7603	1183.1707	1210.2102	1238.7295	1271.5706	1319.9869	1365.1648		
3R80.0	1145.4644	1151.6499	1160.4854	1188.3320	1215.6166	1244.4665	1278.3071	1323.5002	1373.1443		
3R90.0	1149.9875	1156.2759	1165.2529	1193.8457	1221.4915	1251.0356	1285.1323	1331.1069	1381.2117		
4R00.0	1154.5469	1160.9407	1170.0642	1198.8145	1227.2283	1257.3018	1292.0522	1338.8054	1389.3662		

ENTHALPY

PRESSURE = TEMPERATURE / FUEL/ATR RATIO		ENTHALPY									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5139		
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6941	774.6226	780.7798		
2760.0	726.1938	728.1704	731.1223	740.8367	750.3584	759.6990	768.8623	777.8521	785.0467		
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110		
2780.0	732.0652	734.0647	737.0503	746.8738	756.5046	765.9511	775.2222	784.3169	790.5785		
2790.0	735.0181	737.0295	740.0313	749.9114	759.5986	769.0986	778.4137	787.5620	793.8623		
2800.0	738.0234	740.0457	743.0662	753.0032	762.7439	772.2964	781.5833	790.8545	797.2026		
2810.0	741.0300	743.0654	746.0835	756.0974	765.9423	775.6956	784.4131	794.1511	800.5466		
2820.0	744.0403	746.0876	749.1438	759.1941	769.0935	778.8980	787.6500	797.4297	803.8958		
2830.0	747.0522	749.1123	752.1858	762.2939	772.1973	781.9036	791.6202	800.7517	807.2495		
2840.0	750.0669	752.1394	755.2312	765.3962	775.3538	785.1121	794.6777	804.0583	810.6084		
2850.0	753.0842	755.1694	758.2792	768.5020	778.5139	788.3230	797.9392	807.3672	813.9724		
2860.0	756.1042	758.2019	761.3298	771.6108	781.6772	791.5383	801.2031	810.6790	817.3951		
2870.0	759.1274	761.2378	764.3838	774.7222	784.8433	794.7566	804.4712	813.9951	820.7193		
2880.0	762.1531	764.2759	767.4409	777.8369	788.0129	797.9783	807.7422	817.3152	824.1008		
2890.0	765.1819	767.3169	770.5007	780.9546	791.1853	801.2019	811.0161	820.6399	827.4883		
2900.0	768.2136	770.3616	773.5630	784.0757	794.3613	804.4304	814.2947	823.9666	830.8826		
2910.0	771.2480	773.4084	776.6292	787.1997	797.5405	807.6624	817.5749	827.2988	834.2549		
2920.0	774.2847	776.4587	779.6973	790.3269	800.7234	810.8975	820.8618	830.9749	837.8934		
2930.0	777.3250	779.5117	782.7693	793.4585	803.9097	814.1370	824.1519	834.2650	841.1894		
2940.0	780.3672	782.5676	785.8452	796.5925	807.0999	817.3789	827.4668	837.5188	844.5327		
2950.0	783.4136	785.6247	788.9226	799.7305	810.2935	820.6295	830.7417	840.6687	847.5964		
2960.0	786.4629	788.6895	792.0044	802.8718	813.4905	823.8760	834.0442	844.0232	851.0030		
2970.0	789.5156	791.7551	795.0891	806.0166	816.6917	827.1301	837.3501	847.3813	854.3630		
2980.0	792.5710	794.8245	798.1717	809.1658	819.8967	830.3894	840.6604	850.7456	857.7310		
2990.0	795.6299	797.8970	801.2693	812.3176	823.1057	833.6516	843.9746	854.1147	861.1795		
3000.0	798.6917	800.9724	804.3663	815.6741	826.3184	836.9189	847.2937	857.6895	864.7555		
3010.0	801.7571	804.0515	807.4636	818.6343	829.5359	840.1907	850.6184	860.8706	867.9422		
3020.0	804.8264	807.1348	810.5664	821.7993	832.7576	843.4673	853.9480	864.2561	871.2405		
3030.0	807.8987	810.2207	813.6726	824.9666	835.9841	846.7478	857.2822	867.6439	874.7512		
3040.0	810.9749	813.3110	816.7827	828.1392	839.2144	850.0330	860.6206	871.0566	878.2710		
3050.0	814.0549	816.4048	819.8967	831.3159	842.4497	853.3240	863.9663	874.4526	881.8030		
3060.0	817.1382	819.5029	823.0151	834.4968	845.6890	856.6194	867.3169	877.8640	885.3462		
3070.0	820.2251	822.6038	826.1375	837.6829	848.9338	859.9204	870.6729	881.2927	889.9023		
3080.0	823.3162	825.7087	829.2629	840.8726	852.1833	863.2261	874.0342	884.7090	893.4707		
3090.0	826.4104	828.8184	832.3933	844.0676	855.4377	866.5376	877.4031	888.1421	897.8532		
3100.0	829.5090	831.9321	835.5286	847.2666	858.6375	869.8550	880.7769	891.5923	900.4497		
3110.0	832.6121	835.0496	838.6677	850.4712	861.9626	873.1777	884.1572	895.0313	904.8600		
3120.0	835.7190	838.1724	841.8103	853.6807	865.3229	876.5963	887.5652	898.4390	907.8850		
3130.0	838.8293	841.2983	844.9583	856.8953	868.5093	879.8416	890.9382	901.9551	911.5251		
3140.0	841.9446	844.4290	848.1106	860.1150	871.7900	883.1829	894.3398	905.4299	915.1809		
3150.0	845.0645	847.5637	851.2678	863.3391	875.0776	886.5293	897.7476	908.9126	918.8825		
3160.0	848.1880	850.7039	854.4307	866.5693	878.3672	889.8838	901.1633	912.4070	922.5605		
3170.0	851.3174	853.8479	857.5977	869.8052	881.6665	893.2446	904.5869	915.9097	926.4771		
3180.0	854.4500	856.9978	860.7693	873.0476	884.9722	896.6123	908.0188	919.4238	929.9700		
3190.0	857.5876	860.1514	863.9458	876.2939	888.2644	899.9873	911.4575	922.9475	933.7112		
3200.0	860.7300	863.3108	867.1289	879.5481	891.6028	903.3694	914.9060	926.4022	937.4695		
3210.0	863.8774	866.4744	870.3171	882.8074	894.9290	906.7590	918.3625	929.8286	941.0468		
3220.0	867.0298	869.6448	873.5098	886.0725	898.2610	910.1570	921.8289	933.5864	945.0456		
3230.0	870.1877	872.8188	876.7097	889.3455	901.6023	913.5635	925.3047	937.1567	948.8650		
3240.0	873.3508	875.9993	879.9733	892.6240	904.9492	916.9771	928.7891	940.7393	952.7039		
3250.0	876.5186	879.1848	883.1243	895.9092	908.3032	920.3909	932.2827	944.3347	956.5632		
3260.0	879.6919	882.3765	886.3408	899.2012	911.6660	923.8308	935.7878	947.9538	960.4438		
3270.0	882.8708	885.5737	889.5635	902.5010	915.0359	927.2715	939.3040	951.5669	964.3467		

PRESSURE = 1.0000		ENTHALPY									
TEMPERATURE /	FUEL/AIR RATIO	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
DEG-REES R											
3240.0	886.062	894.761	892.722	905.8069	918.4143	930.7200	942.8289	955.2046	968.2739		
3290.0	889.261	891.8856	896.0271	909.1211	921.8013	934.1794	945.3667	958.8572	972.2219		
3340.0	892.425	895.2011	899.3425	911.7717	925.1970	937.6677	949.9153	962.5254	976.1931		
3390.0	895.655	898.4236	902.5176	915.7717	928.6008	941.1272	953.4761	966.2095	980.1909		
3440.0	898.8535	901.4511	905.7729	919.1091	932.0146	944.6157	957.0493	969.7094	982.2122		
3490.0	902.0686	904.8857	909.0367	922.4548	935.4377	948.1160	960.6362	973.6289	986.2600		
3540.0	905.2073	908.2847	912.3047	925.8086	938.8691	951.6287	964.2344	977.3630	990.3328		
3590.0	908.5183	911.7755	925.1707	938.1492	951.3113	964.1492	977.8469	991.1165	1004.3119		
3640.0	911.7713	914.6316	928.5427	941.7644	954.6633	967.7444	980.7899	994.1899	1007.5501		
3690.0	914.9946	917.8436	932.1580	945.9219	959.2268	972.2284	985.1147	998.6816	1011.7031		
3740.0	918.2429	921.1638	935.4573	949.3118	962.6997	975.7871	988.7698	1001.5944	1014.8838		
3790.0	921.4980	924.4417	938.7649	952.7107	966.1838	979.3579	992.3279	1005.1925	1017.9925		
3840.0	924.7777	927.7248	942.0815	956.1194	969.6797	982.9424	996.1284	1009.1824	1021.3306		
3890.0	928.0320	931.0198	945.4053	959.5378	973.1860	986.5398	999.8308	1012.8546	1025.5972		
3940.0	931.3113	934.2701	948.7388	962.9688	976.7053	990.1509	1003.5518	1016.9583	1030.3928		
3990.0	934.5967	937.6306	952.0811	966.4065	980.2366	993.7769	1007.2891	1020.8266	1034.2844		
4040.0	937.8918	940.8485	955.4321	969.8564	983.7800	997.4772	1011.0437	1024.8301	1038.5837		
4090.0	941.1938	944.2756	959.7925	973.3179	987.3374	991.0723	1004.8174	1018.6018	1032.9766		
4140.0	944.5065	947.6113	963.7925	977.8003	991.8065	995.7432	1008.5096	1021.8005	1035.4011		
4190.0	947.8245	950.9561	966.5420	980.2749	994.4902	998.4307	1011.4219	1024.8252	1038.8599		
4240.0	951.1528	954.3096	969.9409	984.7703	998.0876	1002.1334	1015.2539	1028.3789	1041.8506		
4290.0	954.4905	957.6733	972.3308	987.2798	991.6995	1005.8542	1019.1072	1032.5587	1046.8777		
4340.0	957.8389	961.0466	975.7122	989.8003	995.3242	1009.5325	1023.9816	1037.6598	1051.5854		
4390.0	961.1938	964.4294	979.1616	993.3337	998.9670	1013.3466	1027.8779	1041.2102	1055.0366		
4440.0	964.5588	967.8230	982.5933	997.8806	1002.6243	1017.1228	1031.7964	1045.3811	1059.6706		
4490.0	967.9344	971.2275	986.0374	991.4412	1006.2976	1020.9158	1035.7397	1050.5830	1065.3413		
4540.0	971.3203	974.6616	989.4912	995.0155	1009.3411	1024.7288	1039.7111	1055.8184	1070.0505		
4590.0	974.7156	978.0671	992.9558	998.6042	1013.6929	1028.5620	1043.6970	1061.0857	1076.7971		
4640.0	978.1233	981.5037	986.4353	1002.2078	1017.4167	1032.4168	1047.7134	1065.3884	1089.5830		
4690.0	981.5410	984.9521	989.9253	1005.8254	1021.1584	1036.2694	1051.1563	1069.7256	1094.4082		
4740.0	984.9702	988.4124	993.4285	1009.4590	1024.9182	1040.1857	1055.1119	1074.0994	1099.2739		
4790.0	988.4092	991.8833	996.9446	1013.1086	1028.6963	1044.1047	1059.9243	1078.5093	1104.1797		
4840.0	991.8411	995.3111	1000.3111	1017.1732	1032.6939	1048.0651	1063.0596	1082.9575	1109.1292		
4890.0	995.3252	998.8652	1004.0166	1020.4563	1036.3115	1052.0122	1068.2051	1087.4458	1114.1264		
4940.0	998.8100	1002.3147	1007.5730	1024.1545	1040.1489	1056.0015	1072.3899	1091.9731	1119.1561		
4990.0	1002.2886	1005.8972	1011.1440	1027.8706	1044.0076	1060.0168	1076.6064	1096.5405	1124.2312		
5040.0	1005.7807	1009.4115	1014.7288	1031.6042	1047.8872	1064.0362	1080.8545	1101.1506	1129.3530		
5090.0	1009.3037	1012.9839	1018.3298	1035.3572	1051.7883	1068.1233	1085.1348	1105.8032	1134.5210		
5140.0	1012.8303	1016.5474	1021.8873	1039.1286	1055.7131	1072.2170	1089.6487	1110.5995	1139.7361		
5190.0	1016.3718	1020.1265	1025.5764	1042.9182	1059.6604	1076.3391	1093.7971	1115.2407	1144.9939		
5240.0	1019.9918	1023.1177	1029.2224	1046.7280	1063.6301	1080.4895	1098.1799	1120.0286	1150.3000		
5290.0	1023.6946	1027.286	1032.8860	1050.5581	1067.6248	1084.6665	1102.5996	1124.0599	1155.6561		
5340.0	1027.0791	1030.526	1036.5662	1054.4084	1071.6450	1088.8772	1107.0576	1129.7819	1161.0596		
5390.0	1030.6772	1034.5920	1040.2632	1058.2805	1075.6895	1093.1162	1111.5508	1134.6711	1166.5112		
5440.0	1034.2511	1038.2331	1043.9775	1062.1743	1079.7625	1097.3875	1116.0480	1139.6509	1172.0169		
5490.0	1037.9202	1041.9199	1047.7102	1066.0896	1083.8596	1101.6909	1120.6587	1144.6797	1177.9608		
5540.0	1041.5662	1045.6106	1051.4209	1070.0278	1087.9851	1106.0278	1125.2725	1149.7810	1183.1753		
5590.0	1045.2278	1049.3181	1055.2307	1073.9902	1092.1192	1110.3994	1129.9294	1154.8943	1188.8342		
5640.0	1048.9060	1053.0413	1059.0188	1077.9746	1096.3206	1114.8045	1134.6277	1160.0801	1194.3637		
5690.0	1052.6013	1056.7842	1062.8271	1081.9849	1100.5330	1119.2451	1139.3701	1165.3215	1200.3088		
5740.0	1056.3149	1060.5457	1066.6811	1086.0195	1104.7749	1123.7224	1144.1341	1170.6174	1206.1264		
5790.0	1060.0339	1064.3254	1070.5051	1090.0803	1109.0479	1128.2381	1148.9922	1175.9722	1212.0039		
5840.0	1063.7413	1068.1250	1074.3748	1094.1665	1113.3540	1132.7922	1153.4111	1181.3826	1217.9370		
5890.0	1067.5610	1071.9448	1078.2664	1098.2793	1117.6907	1137.3846	1158.4018	1186.8566	1223.9246		

PRESSURE = 1.0000										
TEMPERATURE /		ENTHALPY								
DEGREES	R	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060
3820.0	1071.3469	1075.7844	1082.1797	1086.1147	1102.4194	1122.0605	1142.0171	1163.7791	1192.3792	1229.9692
3830.0	1075.1536	1079.6445	1086.1147	1090.0728	1106.5886	1126.4651	1146.6909	1168.0666	1197.9661	1236.0730
3840.0	1078.9788	1083.5256	1090.0728	1094.0557	1110.7854	1130.9036	1151.4060	1173.0848	1203.6133	1242.2351
3850.0	1082.8250	1087.4287	1094.0557	1098.0610	1115.0125	1135.3782	1156.1650	1179.0164	1209.3257	1248.6604
3860.0	1086.6924	1091.3538	1098.0610	1102.0918	1119.2690	1139.8901	1160.9680	1184.1995	1215.0986	1254.7436
3870.0	1090.5796	1095.3005	1102.0918	1106.1467	1123.5566	1144.4377	1165.8145	1189.4380	1220.9363	1261.0874
3880.0	1094.4890	1099.2708	1106.1467	1110.2285	1127.8743	1149.0227	1170.7070	1194.7314	1226.0381	1267.4946
3890.0	1098.4202	1103.2646	1110.2285	1114.3352	1132.2246	1153.6482	1175.6484	1200.0820	1232.0044	1273.9658
3900.0	1102.3750	1107.2832	1114.3352	1118.4685	1136.6077	1158.3123	1180.6350	1205.5895	1238.8513	1280.5998
3910.0	1106.3516	1111.3252	1118.4685	1122.6287	1141.0212	1163.0171	1185.6714	1210.9541	1244.9407	1287.0962
3920.0	1110.3523	1115.3938	1122.6287	1126.9171	1145.4716	1167.7639	1190.7576	1216.6802	1251.1099	1293.7595
3930.0	1114.3765	1119.4851	1126.9171	1131.0344	1149.9592	1172.5520	1195.8945	1222.0664	1257.3489	1300.4897
3940.0	1118.4260	1123.6050	1131.0344	1135.2798	1154.4797	1177.3850	1201.0835	1227.7141	1263.6547	1307.2847
3950.0	1122.4993	1127.7510	1135.2798	1139.5562	1159.0366	1182.2607	1204.3235	1233.4241	1270.0337	1314.1465
3960.0	1126.5996	1131.9276	1139.5562	1143.8611	1163.8316	1187.1807	1211.8194	1239.1997	1276.4864	1321.0796
3970.0	1130.7244	1136.1243	1143.8611	1147.8978	1168.2619	1192.1644	1216.9700	1245.0398	1283.0073	1328.0808
3980.0	1134.8765	1140.3525	1147.8978	1152.0649	1172.9143	1197.1619	1222.3757	1250.9443	1289.6011	1335.1497
3990.0	1139.0547	1144.6111	1152.0649	1156.8648	1177.6440	1202.2329	1227.8396	1256.9170	1296.2712	1342.2898
4000.0	1143.2617	1148.8975	1156.8648	1162.3938	1182.3938	1207.3330	1231.3608	1262.9578	1303.0149	1349.5022

PROFUSION TEMPERATURE DEGREES F	1.5000 FUEL/AIR RATIO	ENTHALPY	0.030	0.040	0.050	0.060	0.067
2740.0	720.1254	722.2795	746.2141	753.4480	762.5066	771.3918	777.5159
2750.0	721.2593	725.2249	747.2459	756.5732	765.6441	774.6226	780.7798
2760.0	726.1834	728.1704	750.3546	759.6990	768.8623	777.8821	784.0447
2770.0	729.1292	731.1172	753.4534	762.8429	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	756.5036	765.9840	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	759.5955	769.0840	778.4048	787.5448	793.8479
2800.0	738.9419	739.9639	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	742.8813	742.9834	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	746.8237	745.8694	768.8203	778.4811	787.9598	797.2598	803.6653
2830.0	749.8479	751.9626	771.9709	781.6846	791.2107	800.5562	807.0045
2840.0	752.8633	755.0056	775.1255	784.8849	794.4653	803.8562	810.3569
2850.0	755.8811	758.9448	778.2803	788.0972	797.7219	807.1599	813.7090
2860.0	758.9026	761.0085	781.4399	791.3076	800.9807	810.4663	817.0667
2870.0	761.9255	764.0449	784.6023	794.5217	804.2439	813.7744	820.4297
2880.0	764.9517	767.0830	787.7676	797.7390	807.5095	817.0901	823.7974
2890.0	767.9805	770.1250	790.9360	800.9583	810.7795	820.4077	827.1704
2900.0	771.0122	773.1692	794.1079	804.1821	814.0513	823.7273	830.5500
2910.0	774.0469	776.3840	797.2827	807.4077	817.2768	827.0513	833.9343
2920.0	777.0842	779.7659	800.4604	810.6375	820.4064	830.3787	837.3257
2930.0	780.1240	782.1184	803.6414	813.8711	823.5894	833.7107	840.7227
2940.0	783.1670	785.1745	806.8262	817.1082	827.7755	837.0481	844.1274
2950.0	786.2134	788.4641	810.0139	820.3481	830.9661	840.3882	847.5391
2960.0	789.2622	791.4742	813.2056	823.5920	833.7593	843.7300	850.9561
2970.0	792.3142	794.4954	816.4009	826.8394	837.0579	847.0786	854.3826
2980.0	795.3691	797.5610	819.5984	830.0908	840.3591	850.4312	857.8164
2990.0	798.4273	800.6294	822.8020	833.3459	843.6650	853.7888	861.2573
3000.0	801.4885	803.7754	826.0078	836.6007	846.9746	857.1511	864.7073
3010.0	804.5535	806.8535	829.2183	839.8689	850.2893	860.5186	868.1655
3020.0	807.6217	809.9351	832.4319	843.1360	853.6086	863.8914	871.6350
3030.0	810.6924	813.0198	835.6499	846.4070	856.9314	867.2648	875.1118
3040.0	813.7673	816.1084	838.8713	849.6833	860.2593	870.6519	878.5979
3050.0	816.8452	819.2004	842.0981	852.9639	863.5923	874.0420	882.0962
3060.0	819.9275	822.2959	845.3291	856.2488	866.9307	877.4363	885.6047
3070.0	823.0112	825.5984	848.5680	859.5383	870.2732	880.8364	889.1230
3080.0	826.1004	828.4985	851.8035	862.8328	873.6208	884.2436	892.6533
3090.0	829.1934	831.6050	855.0469	866.1321	876.9749	887.6567	896.1931
3100.0	832.2884	834.7153	858.2959	869.4363	880.3333	891.0764	899.7468
3110.0	835.3894	837.8298	861.5491	872.7456	883.6975	894.5034	903.3114
3120.0	838.4927	840.9485	864.8074	876.0608	887.0574	897.9373	906.8914
3130.0	841.6008	844.0710	868.0708	879.3809	890.4448	901.3794	910.4829
3140.0	844.7122	847.1478	871.3401	882.7084	893.8274	904.8284	914.0872
3150.0	847.8274	850.2293	874.6128	886.0376	897.2627	908.2854	917.7070
3160.0	850.9478	853.3293	877.8923	889.3755	900.6111	911.7505	921.3394
3170.0	854.0725	856.4603	881.1768	892.7192	904.0137	915.2244	924.9885
3180.0	857.2007	859.7476	884.4675	896.0684	907.4231	918.7088	928.6521
3190.0	860.3337	862.8965	887.7634	899.4236	910.8389	922.1985	932.3318
3200.0	863.4714	866.0500	891.0654	902.7869	914.2627	925.6992	936.0269
3210.0	866.6134	869.2083	894.3733	906.1560	917.6934	929.2052	939.7393
3220.0	869.7600	872.3716	897.6873	909.5315	921.1328	932.7255	943.4683
3230.0	872.9114	875.5391	901.0045	912.9153	924.5806	936.2610	947.2161
3240.0	876.0674	878.7119	904.3354	916.7026	928.0359	939.8072	950.9800
3250.0	879.2285	881.8899	907.6685	919.7026	931.5002	943.3567	954.7644
3260.0	882.3944	885.0724	911.0090	923.1072	934.9724	946.9177	958.5657
3270.0	885.5644	888.1944	914.3572	926.5215	938.4543	950.4956	962.3882

PRESSURE = 1.5000										
TEMPERATURE / FUEL/AIR RATIO										
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
3280.0	885.5857	888.7820	892.2411	905.1748	917.7119	929.9419	941.9436	954.0833	966.2295	970.0911
3290.0	888.7419	891.4556	895.6631	908.6673	921.0735	933.3711	945.4463	957.6841	969.9736	973.8779
3300.0	891.9236	894.6553	898.8882	911.7678	924.2434	936.8093	948.9570	961.2981	973.8779	977.8779
3310.0	895.1108	897.8608	901.9142	915.0750	927.8208	940.2561	952.4780	964.9263	977.8779	981.8036
3320.0	898.3035	901.0718	905.1544	918.3884	931.2065	943.7122	956.0100	968.5876	981.8036	985.7524
3330.0	901.5024	904.2888	908.3984	921.7085	934.8003	947.1766	959.5527	972.2246	985.7524	989.7234
3340.0	904.7063	907.5115	911.6570	925.0381	938.0022	950.6687	963.1062	975.8948	989.7234	993.7170
3350.0	907.9160	910.7412	914.9011	928.3745	941.4126	954.1331	966.6714	979.5811	993.7170	997.7351
3360.0	911.1331	913.9763	918.1643	931.7183	944.8144	957.6282	970.2695	983.2859	1001.7786	1005.8457
3370.0	914.3550	917.2180	921.4213	935.0701	948.2605	961.1328	973.8389	987.0039	1005.8457	1009.9375
3380.0	917.5830	920.4658	924.7111	938.4299	951.6980	964.6679	977.4404	990.7407	1009.9375	1014.0564
3390.0	920.8179	923.7209	927.9946	941.7983	955.1453	968.1741	981.0557	994.4944	1009.9375	1014.0564
3400.0	924.0586	926.9834	931.2842	945.1748	958.6021	971.7122	984.6846	998.2666	1014.0564	1018.2012
3410.0	927.3076	930.2520	934.5828	948.5610	962.0691	975.2605	988.3264	1002.0566	1018.2012	1022.3728
3420.0	930.5620	933.5278	937.8888	951.8111	965.5461	978.8250	991.9839	1005.9672	1022.3728	1026.5718
3430.0	933.8230	936.8118	941.2026	955.3584	969.0344	982.3960	995.6553	1009.6975	1026.5718	1030.7998
3440.0	937.0923	940.1021	944.5237	958.7712	972.5330	985.9810	999.3418	1013.5281	1030.7998	1035.0461
3450.0	940.3684	943.4006	947.8535	962.1936	976.0425	989.5798	1003.0442	1017.4209	1035.0461	1039.3298
3460.0	943.6321	946.7073	951.1909	965.6282	979.5632	993.1924	1006.7827	1021.3160	1039.3298	1043.6418
3470.0	946.9434	950.0220	954.5371	969.0684	983.0967	996.8174	1010.4973	1025.2297	1043.6418	1047.9846
3480.0	950.2827	953.3438	957.8971	972.5212	986.6411	1000.4568	1014.2690	1029.1692	1047.9846	1052.3591
3490.0	953.5491	956.6750	961.2549	975.9849	990.1990	1004.1111	1018.0166	1033.1335	1052.3591	1056.7436
3500.0	956.8633	960.0146	964.6392	979.4597	993.7686	1007.7798	1021.8064	1037.1321	1056.7436	1061.1992
3510.0	960.1870	963.3611	968.0107	982.9446	997.3514	1011.4668	1025.6130	1041.1353	1061.1992	1065.6670
3520.0	963.5188	966.7185	971.4074	986.4412	1000.9475	1014.1668	1029.4375	1045.1748	1065.6670	1070.1685
3530.0	966.8584	970.0845	974.8052	989.9504	1004.5576	1018.0809	1033.2837	1049.2422	1070.1685	1074.7017
3540.0	970.2078	973.4595	978.2158	993.4700	1008.1812	1022.6130	1037.1692	1053.3352	1074.7017	1079.2717
3550.0	973.5449	976.8445	981.6312	997.0024	1011.8193	1026.3630	1041.0352	1057.4583	1079.2717	1083.8743
3560.0	976.9324	980.2383	985.0613	1000.5474	1015.4722	1030.1304	1044.9429	1061.6091	1083.8743	1088.5125
3570.0	980.3098	983.6426	988.5175	1004.1055	1019.1404	1033.9158	1048.8728	1065.7905	1088.5125	1093.1865
3580.0	983.6960	987.0579	991.9548	1007.6770	1022.8240	1037.7188	1052.8254	1070.0029	1093.1865	1097.8955
3590.0	987.0916	990.4822	995.4299	1011.2612	1026.5232	1041.5415	1056.8020	1074.2461	1097.8955	1102.6623
3600.0	990.4976	993.9170	998.9077	1014.8595	1030.3390	1045.3831	1060.8013	1078.5220	1102.6623	1107.4275
3610.0	993.9141	997.3640	1002.3716	1018.4724	1033.9724	1049.2436	1064.8262	1082.8320	1107.4275	1112.2500
3620.0	997.3411	1000.8213	1005.8911	1022.0994	1037.7217	1053.1292	1068.8755	1087.1746	1112.2500	1117.1118
3630.0	1000.7788	1004.2910	1009.4043	1025.7415	1041.4900	1057.0313	1072.9521	1091.5322	1117.1118	1122.0117
3640.0	1004.2278	1007.7700	1012.9297	1028.3984	1045.2747	1060.9558	1077.0547	1095.9658	1122.0117	1126.9526
3650.0	1007.6877	1011.2629	1016.4610	1033.0708	1049.0793	1064.9038	1081.1855	1100.4145	1126.9526	1131.9338
3660.0	1011.1584	1014.7668	1020.0168	1038.1733	1052.2026	1068.8760	1085.3433	1104.9045	1131.9338	1136.9575
3670.0	1014.6416	1018.2832	1023.5811	1040.4648	1056.7454	1072.8684	1089.5313	1109.4304	1136.9575	1142.0280
3680.0	1018.1355	1021.8132	1027.1572	1044.1855	1060.6062	1078.8850	1093.7478	1113.9854	1142.0280	1147.1270
3690.0	1021.6433	1025.3555	1030.7543	1047.9246	1064.4907	1080.9280	1097.9951	1118.5906	1147.1270	1152.2773
3700.0	1025.1624	1028.9104	1034.3514	1051.6812	1068.3953	1084.9931	1102.2749	1123.2871	1152.2773	1157.6705
3710.0	1028.6944	1032.4797	1037.9731	1055.4551	1072.3206	1089.0889	1106.5859	1127.9341	1157.6705	1162.7090
3720.0	1032.2405	1036.0635	1041.6080	1059.2480	1076.2686	1093.2050	1110.9297	1132.6558	1162.7090	1167.9919
3730.0	1035.7983	1039.6594	1045.2581	1063.0583	1080.2395	1097.3562	1115.3071	1137.4399	1167.9919	1173.3203
3740.0	1039.3721	1043.2717	1048.9243	1066.8694	1084.2327	1101.5315	1119.7192	1142.2585	1173.3203	1178.6968
3750.0	1042.9585	1046.8979	1052.6060	1070.7410	1088.2507	1105.7381	1124.1677	1147.1238	1178.6968	1184.1179
3760.0	1046.5581	1050.5393	1056.3017	1074.6104	1092.2905	1109.9678	1128.6501	1152.0342	1184.1179	1189.5879
3770.0	1050.1733	1054.1958	1060.0186	1078.5015	1096.3579	1114.2314	1133.1714	1156.9915	1189.5879	1195.1032
3780.0	1053.8032	1057.8689	1063.7500	1082.4141	1100.4500	1118.5293	1137.7300	1161.9953	1195.1032	1200.6743
3790.0	1057.4485	1061.5569	1067.4990	1086.3474	1104.5681	1122.8519	1142.3284	1167.0322	1200.6743	1206.2913
3800.0	1061.1094	1065.2622	1071.2646	1090.3044	1108.7134	1127.2097	1146.9668	1172.1580	1206.2913	1211.9593
3810.0	1064.7859	1068.9841	1075.0515	1094.2822	1112.8850	1131.5999	1151.6448	1177.3140	1211.9593	

PRESSURE = TEMPERATURE DEGREES R	1.5000 / FUEL/AIR RATIO		ENTHALPY						
	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3420.0	1068.4775	1072.7231	1078.8545	1098.2837	1117.0847	1136.0247	1156.3843	1182.5200	1217.6772
3430.0	1072.1263	1076.4795	1082.6770	1102.3101	1121.3130	1140.4836	1161.1265	1187.7800	1223.4468
3440.0	1075.9121	1080.2539	1086.5195	1106.3582	1125.7710	1144.9785	1165.9319	1193.0913	1229.2683
3450.0	1079.6555	1084.0669	1090.3811	1110.4313	1129.8569	1149.5093	1170.7832	1198.4595	1235.1453
3460.0	1083.4163	1087.8584	1094.2637	1114.5327	1134.1775	1154.0774	1175.6777	1203.8811	1241.0735
3470.0	1087.1941	1091.6882	1098.1658	1118.6577	1138.5264	1158.6826	1180.6191	1209.3549	1247.0566
3480.0	1090.9910	1095.5378	1102.0884	1122.8083	1142.9084	1163.3267	1185.6079	1214.8936	1253.0955
3490.0	1094.8069	1099.4082	1106.0352	1126.9880	1147.3230	1168.0110	1190.6460	1220.4863	1259.1902
3500.0	1098.6408	1103.2891	1110.0827	1131.1941	1151.7717	1172.7354	1195.7317	1226.1370	1265.3411
3510.0	1102.4954	1107.2090	1113.9919	1135.4275	1156.2527	1177.5002	1200.8672	1231.8459	1271.5481
3520.0	1106.2684	1111.1406	1118.0046	1139.6907	1160.7693	1182.3079	1206.0560	1237.6162	1277.9137
3530.0	1110.2622	1115.0938	1122.0408	1143.9832	1165.3218	1187.1587	1211.2937	1243.4468	1284.1377
3540.0	1114.1772	1119.0701	1126.1013	1148.3057	1169.9111	1192.0530	1216.5857	1249.3394	1290.5205
3550.0	1118.1128	1123.0676	1130.1860	1152.6577	1174.5369	1196.9915	1221.9307	1255.2925	1296.9617
3560.0	1122.0694	1127.0876	1134.2954	1157.0420	1179.2009	1201.9768	1227.3328	1261.3113	1303.6556
3570.0	1126.0486	1131.1326	1138.4304	1161.4580	1183.9036	1207.0083	1232.7896	1267.3933	1310.0305
3580.0	1130.0505	1135.2004	1142.5911	1165.9055	1188.6458	1212.0864	1238.3025	1273.5381	1316.8563
3590.0	1134.0745	1139.2930	1146.7778	1170.3870	1193.4287	1217.2144	1243.8738	1279.7502	1323.3440
3600.0	1138.1230	1143.4094	1150.9912	1174.9031	1198.2524	1222.3914	1249.5042	1286.0291	1330.0957

ENTHALPY

TEMPERATURE DEGREES R	2.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.040	0.050	0.060	0.067
2740.0	720.124	722.2795	723.7991	734.7991	744.2141	751.4480	765.5066	771.3938	777.5159
2750.0	723.2593	725.1597	728.1597	737.8167	747.2849	756.5332	765.6841	774.6226	780.7798
2760.0	726.1011	728.1704	731.1233	740.8347	750.3544	759.6990	768.8623	777.8521	785.0447
2770.0	729.1292	731.1172	734.0849	743.8538	753.4319	762.8959	772.0617	781.0830	787.3110
2780.0	732.0642	734.0641	737.0503	746.8738	756.5046	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9613	742.9634	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9189	755.9417	765.7283	775.3667	784.7722	794.0198	800.3899
2820.0	743.8216	745.8665	748.9199	758.9663	768.8114	778.4795	787.9580	797.2571	803.5824
2830.0	746.7634	748.8196	751.8899	761.9922	771.8944	781.6140	791.1453	800.4961	806.9375
2840.0	749.7031	751.7711	754.8608	765.0190	774.9842	784.7495	794.3335	803.7363	810.2131
2850.0	752.7031	754.8227	757.8879	768.1016	778.1147	787.9377	797.5718	807.0210	815.5617
2860.0	755.7205	757.8115	760.9164	771.2056	781.2734	791.1650	800.8289	810.3242	818.8918
2870.0	758.7395	760.8438	763.9634	774.3118	784.4318	794.3572	804.0881	813.6304	820.2668
2880.0	761.7612	763.8711	766.9913	777.4207	787.5917	797.5710	807.3511	816.9402	823.6964
2890.0	764.7861	766.9148	770.0913	780.5332	790.7617	800.7881	810.6167	820.2534	826.9695
2900.0	767.8135	769.9548	773.1492	783.6475	793.9314	804.0078	813.8857	823.5686	830.3301
2910.0	770.8430	772.9968	776.2097	786.6654	797.1033	807.2317	817.1577	826.8882	833.7146
2920.0	773.8710	776.0427	779.2732	789.8862	800.2781	810.4580	820.3329	830.2104	837.0940
2930.0	776.9114	779.1906	782.3394	793.0103	803.4541	813.6877	823.7122	833.5369	840.4807
2940.0	779.9497	782.1614	785.2813	796.1372	806.6312	816.9199	826.9941	836.8669	843.8726
2950.0	782.9912	785.1951	788.4810	799.2676	809.8270	820.1865	830.2791	840.2009	847.2117
2960.0	786.0332	788.2522	791.5559	802.4006	813.0094	823.3965	833.5686	843.5378	850.6763
2970.0	789.0820	791.3115	794.6363	805.5371	816.2012	826.6396	836.6613	846.8806	854.0889
2980.0	792.1314	794.3743	797.7158	808.6775	819.3945	829.8865	840.1577	850.2248	857.9073
2990.0	795.1841	797.4399	800.8000	811.8203	822.5940	833.1370	843.4580	853.5774	860.9323
3000.0	798.2400	800.5088	803.8813	814.9670	825.7944	836.3906	846.7822	856.9316	864.3669
3010.0	801.2991	803.5806	806.9795	818.1172	829.0012	839.6489	850.0706	860.2913	867.8079
3020.0	804.3608	806.6563	810.0723	821.2710	832.0117	842.9111	853.3833	863.6545	871.2581
3030.0	807.4255	809.7319	813.1704	824.4280	835.4241	846.1765	856.7000	867.0242	874.7153
3040.0	810.4941	812.8159	816.2710	827.5889	838.6404	849.4865	860.0205	870.3976	878.1824
3050.0	813.5659	815.9011	819.3740	830.7544	841.8671	852.7209	863.3462	873.7776	881.6594
3060.0	816.6409	819.0000	822.4814	833.9224	845.0844	855.9998	866.6765	877.1621	885.1530
3070.0	819.7188	822.0811	825.5952	837.0950	848.3147	859.2824	870.0107	880.5513	888.6392
3080.0	822.8000	825.1763	828.7107	840.2708	851.5483	862.5696	873.3301	883.9470	892.1660
3090.0	825.8860	828.2749	831.8298	843.4517	854.7841	865.8804	876.6946	887.3479	895.6819
3100.0	828.9739	831.3784	834.9519	846.6362	858.0211	869.1574	880.0442	890.7556	899.1877
3110.0	832.0664	834.4846	838.0786	849.8250	861.2742	872.4584	883.3989	894.1694	902.7266
3120.0	835.1619	837.5947	841.2085	853.0176	864.5246	875.7354	886.7598	897.5894	906.2856
3130.0	838.2612	840.7087	844.3495	856.2148	867.7810	879.0767	890.1248	901.0161	909.8367
3140.0	841.3643	843.8264	847.4812	859.4167	871.0417	882.3931	893.4963	904.4504	913.4099
3150.0	844.4717	846.9470	850.6233	862.6226	874.3011	885.7141	896.8730	907.8904	916.9956
3160.0	847.5818	850.0735	853.7698	865.8335	877.5749	889.0804	900.2559	911.3391	920.5957
3170.0	850.6970	853.2021	856.9211	869.0493	880.8573	892.3725	903.6453	914.7944	924.2885
3180.0	853.8164	856.3367	860.0762	872.2703	884.1338	895.7119	907.0413	918.2576	927.8947
3190.0	856.9392	859.4751	863.2354	875.4951	887.4184	899.0559	910.4426	921.7300	931.1318
3200.0	860.0654	862.6172	866.3997	878.7258	890.7114	902.4065	913.8516	925.2100	935.4716
3210.0	863.1973	865.7642	869.5866	881.9607	894.0041	905.7622	917.2676	928.6985	938.8022
3220.0	866.3330	868.9155	872.7417	885.2014	897.3113	909.1250	920.6904	932.1945	942.4888
3230.0	869.4727	872.0713	875.9204	888.4442	900.6201	912.4944	924.1211	935.7041	946.1921
3240.0	872.6165	875.2310	879.1030	891.6692	903.9311	915.8696	927.5581	939.2205	949.8099
3250.0	875.7661	878.3962	882.2990	894.9561	907.2546	919.2517	931.0034	942.7476	953.6660
3260.0	878.9189	881.5642	885.4812	898.2195	910.5895	922.6314	934.6570	946.2842	957.3982
3270.0	882.0776	884.7407	888.6814	901.4480	913.9112	926.0374	937.9167	949.8320	961.1692

ENTHALPY

TEMPERATURE = PRESSURE = 2.0000 F / FL / AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	85.2405	87.9209	89.8448	90.8425	91.7257	92.4417	93.0040	93.5396	94.0573
3290.0	85.4080	88.1057	89.9430	90.9425	91.8257	92.5417	93.1040	93.6396	94.1573
3300.0	85.5808	88.2954	89.9430	91.1301	92.3958	93.1117	93.6740	94.2096	94.7273
3310.0	85.7591	88.4907	90.1526	91.4230	92.6887	93.4046	93.9669	94.5025	95.0202
3320.0	85.9421	88.6917	90.3511	91.6226	92.8887	93.6046	94.1669	94.7025	95.2202
3330.0	86.1299	88.9072	90.5641	91.8340	93.1032	93.8191	94.3814	94.9170	95.4347
3340.0	86.3237	89.1289	90.7770	92.0470	93.3161	94.0320	94.5943	95.1299	95.6476
3350.0	86.5234	89.3564	91.0044	92.2645	93.5336	94.2495	94.8118	95.3474	95.8651
3360.0	86.7288	89.5903	91.2364	92.4870	93.7561	94.4720	95.0343	95.5700	96.0876
3370.0	86.9399	89.8307	91.4724	92.7145	93.9836	94.7095	95.2718	95.8075	96.3151
3380.0	87.1568	90.0776	91.7124	92.9470	94.2161	94.9420	95.5043	96.0400	96.5476
3390.0	87.3794	90.3307	91.9544	93.1845	94.4536	95.1795	95.7418	96.2825	96.7800
3400.0	87.6076	90.5899	92.2024	93.4270	94.6961	95.4220	95.9843	96.5200	97.0175
3410.0	87.8414	90.8554	92.4544	93.6695	94.9386	95.6745	96.2368	96.7725	97.2600
3420.0	88.0808	91.1274	92.6968	93.9120	95.1811	95.9270	96.4893	97.0150	97.5025
3430.0	88.3258	91.4059	92.9444	94.1545	95.4336	96.1795	96.7418	97.2675	97.7500
3440.0	88.5764	91.6907	93.1968	94.4070	95.6861	96.4320	97.0043	97.5150	98.0025
3450.0	88.8326	91.9824	93.4544	94.6595	95.9386	96.6845	97.2568	97.7675	98.2550
3460.0	89.0944	92.2807	93.7168	94.9120	96.1911	96.9370	97.5093	98.0200	98.5075
3470.0	89.3618	92.5854	93.9844	95.1645	96.4536	97.2020	97.7643	98.2725	98.7600
3480.0	89.6348	92.8967	94.2568	95.4170	96.7061	97.4545	98.0168	98.5275	99.0150
3490.0	89.9134	93.2144	94.5292	95.6695	96.9586	97.7070	98.2693	98.7800	99.2675
3500.0	90.1976	93.5387	94.8016	95.9220	97.2111	98.0195	98.5818	99.0925	99.5200
3510.0	90.4874	93.8694	95.0740	96.1745	97.4636	98.2720	98.8343	99.3450	99.8075
3520.0	90.7826	94.2064	95.3464	96.4270	97.7161	98.5245	99.0868	99.6000	100.0600
3530.0	91.0834	94.5499	95.6188	96.6800	97.9686	98.7770	99.3393	99.8525	100.3125
3540.0	91.3898	94.8999	95.8944	96.9325	98.2211	99.0300	99.5918	100.1050	100.5650
3550.0	91.6918	95.2564	96.1668	97.1845	98.4736	99.2811	99.8436	100.3575	100.8200
3560.0	91.9994	95.6194	96.4400	97.4370	98.7261	99.5336	100.0961	100.6075	101.0700
3570.0	92.3126	95.9887	96.7124	97.6895	98.9786	99.7861	100.3486	100.8600	101.3225
3580.0	92.6314	96.3644	96.9848	97.9420	99.2311	100.0395	100.6018	101.1125	101.5750
3590.0	92.9558	96.7464	97.2172	98.1945	99.4836	100.2920	100.8543	101.3650	101.8275
3600.0	93.2858	97.1344	97.4896	98.4470	99.7361	100.5445	101.1068	101.6175	102.0900
3610.0	93.6214	97.5287	97.7420	98.6995	100.0000	100.8000	101.3593	101.8700	102.3425
3620.0	93.9626	97.9294	98.0000	98.9520	100.2525	101.0525	101.6118	102.1225	102.5950
3630.0	94.3094	98.3364	98.2500	99.2045	100.5050	101.3050	101.8651	102.3750	102.8275
3640.0	94.6618	98.7499	98.5024	99.4570	100.7575	101.5575	102.1175	102.6275	103.0800
3650.0	95.0198	99.1694	98.7548	99.7095	101.0100	101.8100	102.3700	102.8800	103.3325
3660.0	95.3834	99.5949	99.0072	100.0000	101.2625	102.0625	102.6225	103.1325	103.5850
3670.0	95.7526	100.0264	99.2596	100.2525	101.5150	102.3150	102.8750	103.3450	103.8075
3680.0	96.1274	100.4639	99.5120	100.5050	101.7675	102.5675	103.1275	103.5975	104.0600
3690.0	96.5078	100.9074	99.7644	100.7575	102.0200	102.8200	103.3800	103.8500	104.3125
3700.0	96.8938	101.3569	100.0172	101.0100	102.2725	103.0725	103.6325	104.1025	104.5650
3710.0	97.2854	101.8124	100.2700	101.2625	102.5250	103.3250	103.8850	104.3550	104.8175
3720.0	97.6826	102.2749	100.5224	101.5150	102.7775	103.5775	104.1375	104.6075	105.0700
3730.0	98.0854	102.7394	100.7748	101.7675	103.0300	103.8300	104.3900	104.8600	105.3225
3740.0	98.4938	103.2094	101.0272	102.0200	103.2825	104.0825	104.6425	105.1125	105.5750
3750.0	98.9078	103.6849	101.2800	102.2725	103.5350	104.3350	104.8950	105.3650	105.8275
3760.0	99.3274	104.1664	101.5324	102.5250	103.7875	104.5875	105.1475	105.6175	106.0800
3770.0	99.7526	104.6439	101.7848	102.7775	104.0400	104.8400	105.4000	105.8700	106.3325
3780.0	100.1834	105.1264	102.0372	103.0300	104.2925	105.0925	105.6525	106.1225	106.5850
3790.0	100.6198	105.6139	102.2896	103.2825	104.5450	105.3450	105.9050	106.3750	106.8375
3800.0	101.0618	106.1074	102.5420	103.5350	104.7975	105.5975	106.1575	106.6275	107.0900
3810.0	101.5094	106.6069	102.7944	103.7875	105.0500	105.8500	106.4100	106.8800	107.3425
3820.0	101.9626	107.1124	103.0472	104.0400	105.3025	106.1025	106.6625	107.1325	107.5950
3830.0	102.4214	107.6229	103.3000	104.2925	105.5550	106.3550	106.9150	107.3850	107.8475
3840.0	102.8858	108.1394	103.5524	104.5450	105.8075	106.6075	107.1675	107.6375	108.1000
3850.0	103.3558	108.6619	103.8048	104.7975	106.0600	106.8600	107.4200	107.8900	108.3525
3860.0	103.8314	109.1894	104.0572	105.0500	106.3125	107.1125	107.6725	108.1425	108.6050
3870.0	104.3126	109.7229	104.3096	105.3025	106.5650	107.3650	107.9250	108.3950	108.8575
3880.0	104.7994	110.2624	104.5620	105.5550	106.8175	107.6175	108.1775	108.6475	109.1100
3890.0	105.2918	110.8079	104.8144	105.8075	107.0700	107.8700	108.4300	108.9000	109.3625
3900.0	105.7898	111.3594	105.0668	106.0600	107.3225	108.1225	108.6825	109.1525	109.6150
3910.0	106.2934	111.9169	105.3192	106.3125	107.5750	108.3750	108.9350	109.4050	109.8675
3920.0	106.8026	112.4804	105.5720	106.5650	107.8275	108.6275	109.1875	109.6575	110.1200
3930.0	107.3174	113.0499	105.8248	106.8175	108.0800	108.8800	109.4400	109.9100	110.3725
3940.0	107.8378	113.6254	106.0772	107.0700	108.3325	109.1325	109.6925	110.1625	110.6250
3950.0	108.3638	114.2069	106.3300	107.3225	108.5850	109.3850	109.9450	110.4150	110.8775
3960.0	108.8954	114.7944	106.5824	107.5750	108.8375	109.6375	110.1975	110.6675	111.1300
3970.0	109.4326	115.3879	106.8348	107.8275	109.0900	109.8900	110.4500	110.9200	111.3825
3980.0	109.9754	115.9874	107.0872	108.0800	109.3425	110.1425	110.7025	111.1725	111.6350
3990.0	110.5238	116.5929	107.3400	108.3325	109.5950	110.3950	110.9550	111.4250	111.8875
4000.0	111.0778	117.2044	107.5924	108.5850	109.8475	110.6475	111.2075	111.6775	112.1400

ENTHALPY

TEMPERATURE / FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1066.7169	1070.8433	1076.8147	1095.7517	1114.0435	1137.3738	1151.8464	1176.4583	1209.9124
3830.0	1070.3672	1074.5381	1080.5698	1099.6907	1118.1460	1136.7026	1156.4470	1181.5105	1215.4712
3840.0	1074.0334	1078.2485	1084.3408	1103.6506	1122.3147	1141.0635	1161.0854	1186.6125	1221.0762
3850.0	1077.7146	1081.9739	1088.1306	1107.6326	1126.4895	1145.4563	1165.7644	1191.7656	1226.7327
3860.0	1081.4106	1085.7173	1091.9387	1111.6379	1130.6917	1149.8823	1170.4829	1196.9866	1232.4365
3870.0	1085.1228	1089.4773	1095.7634	1115.6653	1134.9214	1154.3411	1175.2432	1202.2148	1238.1902
3880.0	1088.8518	1093.2544	1099.6074	1119.7161	1139.1794	1158.8337	1180.0454	1207.5279	1243.9941
3890.0	1092.5969	1097.0498	1103.4724	1123.7915	1143.4673	1163.3630	1184.8914	1212.8813	1249.8518
3900.0	1096.3599	1100.8628	1107.3560	1127.8911	1147.7827	1167.9272	1189.7800	1218.2908	1255.7595
3910.0	1100.1394	1104.6941	1111.2588	1132.0142	1152.1309	1172.5276	1194.7129	1223.7539	1261.7190
3920.0	1103.9365	1108.5449	1115.1821	1136.1643	1156.5081	1177.1663	1199.5929	1229.2727	1267.7319
3930.0	1107.7522	1112.4143	1119.1240	1140.3398	1160.9177	1181.8428	1204.7185	1234.8474	1273.7991
3940.0	1111.5857	1116.3027	1123.0923	1144.5422	1165.3599	1186.5581	1209.7915	1240.4778	1279.9189
3950.0	1115.4387	1120.2114	1127.0793	1148.7717	1169.8342	1191.3125	1214.9128	1246.1636	1286.0940
3960.0	1119.3101	1124.1409	1131.0899	1153.0291	1174.3428	1196.1091	1220.0845	1251.9094	1292.3269
3970.0	1123.2012	1128.0920	1135.1211	1157.3145	1178.8842	1200.9463	1225.3052	1257.7134	1298.6150
3980.0	1127.1123	1132.0618	1139.1760	1161.6282	1183.4534	1205.8252	1230.5762	1263.5757	1304.9578
3990.0	1131.0427	1136.0542	1143.2542	1165.9714	1188.0771	1210.7473	1235.9999	1269.4980	1311.3601
4000.0	1134.9954	1140.0666	1147.3560	1170.3457	1192.7263	1215.7139	1241.2766	1275.4817	1317.8203

PRESSURE = 2.5000		ENTHALPY									
TEMPERATURE	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
DEGREES R											
270.0	720.3254	722.2795	725.1975	734.7991	744.2141	751.6480	756.6941	762.5066	771.3938	777.5159	
270.0	723.2593	725.2249	728.1597	737.8167	747.2859	754.6932	759.6990	765.4823	774.6226	780.7798	
270.0	726.1934	728.1714	731.1223	740.8347	750.3584	757.8523	762.8523	768.6226	777.8523	784.0630	
270.0	729.1292	731.1172	734.0459	743.8538	753.4319	760.9319	765.9341	772.5222	781.0830	787.3110	
270.0	732.0652	734.0647	737.0503	746.8738	756.5066	764.0466	769.0466	775.2322	783.7159	790.5784	
270.0	735.0032	737.0142	740.0164	749.8955	759.5830	767.1230	772.1230	778.4048	787.5488	793.8479	
280.0	737.9434	739.9639	742.9834	752.9182	762.6602	770.2146	775.2146	781.5879	790.7837	797.1182	
280.0	740.8813	742.9148	745.9509	755.9417	765.7383	773.3467	778.3467	784.7722	794.0198	800.3899	
280.0	743.8214	745.8655	748.9199	758.9653	768.8176	776.4145	781.4145	787.8580	797.2571	803.6628	
280.0	746.7634	748.8196	751.8899	761.9922	771.9984	780.0000	785.0000	791.4533	800.8661	806.9375	
280.0	749.7061	751.7737	754.8608	765.0190	775.0802	783.1466	788.1466	794.6335	803.7363	810.2131	
280.0	752.6497	754.7288	757.8330	768.0471	778.2632	786.3344	791.3344	797.8523	806.9778	813.4905	
280.0	755.5933	757.6838	760.8049	771.0752	781.3466	789.4180	794.4180	801.9709	810.2192	816.7681	
280.0	758.5369	760.6384	763.7618	774.1002	784.3644	792.4368	797.4368	805.0000	813.5225	820.1172	
280.0	761.4805	763.5934	766.7288	777.2878	787.6551	796.7288	801.7288	809.2933	817.7363	825.6705	
280.0	764.4241	766.5484	769.6949	780.3979	790.6294	800.6294	805.6294	813.1933	821.6368	829.9800	
290.0	767.3676	769.5034	772.6618	783.5112	793.7969	803.7969	808.7969	816.3613	824.7358	832.9197	
290.0	770.3112	772.4584	775.6274	786.6274	796.9661	806.9661	811.9661	820.5305	828.8578	837.0828	
290.0	773.2547	775.4134	778.5834	789.7661	800.1384	809.7661	814.7661	823.3305	831.6078	839.7319	
290.0	776.1982	778.3684	781.5494	792.8428	802.3428	811.5494	816.5494	825.1133	833.3406	841.5158	
290.0	779.1417	781.3234	784.5064	795.8914	805.3914	814.5064	819.5064	828.0709	836.2982	844.4734	
290.0	782.0852	784.2784	787.4734	798.9684	808.4684	817.5834	822.5834	831.1478	839.3751	847.5501	
290.0	785.0287	787.2334	790.4394	802.0344	811.5344	820.6494	825.6494	834.2138	842.4411	850.6164	
290.0	787.9722	790.1874	793.3984	805.0934	814.5934	823.7084	828.7084	837.2728	845.5001	853.6754	
290.0	790.9157	793.1409	796.3661	808.0611	817.5611	826.6761	831.6761	840.2405	848.4678	856.6431	
290.0	793.8592	796.0944	799.3196	811.0146	819.5146	828.6296	833.6296	842.1940	850.4213	858.5966	
290.0	796.8027	799.0479	802.2731	814.0781	822.5781	831.6931	836.6931	845.2575	853.4848	861.6601	
300.0	799.7462	801.9914	805.2166	817.0416	825.5416	834.6566	839.6566	848.2210	856.4483	864.6236	
300.0	802.6897	804.9449	808.1701	820.0051	828.5051	837.6201	842.6201	851.1845	859.4118	867.5871	
300.0	805.6332	807.8884	811.1136	823.0486	831.5486	840.6636	845.6636	854.2280	862.4553	870.6306	
300.0	808.5767	810.8319	814.0571	826.0921	834.5921	843.7071	848.7071	857.2715	865.5000	873.6753	
300.0	811.5202	813.7754	817.0006	829.0560	837.5560	846.6710	851.6710	860.2354	868.4627	876.6380	
300.0	814.4637	816.7189	820.0441	832.1005	840.6005	849.7155	854.7155	863.2800	871.5073	879.6826	
300.0	817.4072	819.6624	823.0876	835.1440	843.6440	852.7590	857.7590	866.3234	874.5507	882.7260	
300.0	820.3507	822.6059	826.0313	838.0877	846.5877	855.7027	860.7027	869.2671	877.4944	885.6697	
300.0	823.2942	825.5494	829.0748	841.1312	849.6312	858.7462	863.7462	872.3106	880.5379	888.7132	
300.0	826.2377	828.4929	832.0183	844.0747	852.5747	861.6897	866.6897	875.2541	883.4814	891.6567	
300.0	829.1812	831.4364	834.9618	847.0182	855.5182	864.6332	869.6332	878.1976	886.4249	894.6002	
300.0	832.1247	834.3799	838.0053	850.0617	858.5617	867.6767	872.6767	881.2411	889.4684	897.6437	
300.0	835.0682	837.3234	841.0488	853.1052	861.6052	870.7202	875.7202	884.2846	892.5119	900.6872	
300.0	838.0117	840.2669	844.0923	856.1487	864.6487	873.7637	878.7637	887.3281	895.5554	903.7307	
300.0	840.9552	843.2104	847.0410	859.1074	867.6074	876.7224	881.7224	890.2868	898.5141	906.6894	
300.0	843.8987	846.1539	850.0845	862.1409	870.6409	879.7559	884.7559	893.3203	901.5476	909.7229	
300.0	846.8422	849.0974	853.0280	865.0844	873.5844	882.7000	887.7000	896.2644	904.4917	912.6670	
300.0	849.7857	852.0409	856.0715	868.1279	876.6279	885.7429	890.7429	899.3073	907.5346	915.7100	
300.0	852.7292	854.9844	859.0150	871.0714	879.5714	888.6864	893.6864	902.2508	910.4781	918.6534	
300.0	855.6727	857.9279	862.0585	874.1149	882.6149	891.7300	896.7300	905.2944	913.5217	921.6970	
300.0	858.6162	860.8714	864.9020	876.9584	885.4584	894.5734	899.5734	908.1378	916.3651	924.5404	
300.0	861.5597	863.8149	867.8455	879.9019	888.4019	897.5169	902.5169	911.0813	919.3086	927.4839	
300.0	864.5032	866.7584	870.7890	882.8454	891.3454	900.4604	905.4604	914.0248	922.2521	930.4274	
300.0	867.4467	869.7019	873.7325	885.7889	894.2889	903.4039	908.4039	916.9683	925.1956	933.3709	
300.0	870.3902	872.6454	876.6760	888.7324	897.2324	906.3474	911.3474	920.0000	928.2273	936.4026	
300.0	873.3337	875.5889	879.6200	891.6764	900.1764	909.2914	914.2914	922.8558	931.0831	939.2584	
300.0	876.2772	878.5324	882.5630	894.6194	903.1194	912.2344	917.2344	925.7988	934.0261	942.2014	
300.0	879.2207	881.4759	885.5065	897.5629	906.0629	915.1779	920.1779	928.7423	936.9696	945.1450	
300.0	882.1642	884.4194	888.4500	900.5064	909.0064	918.1214	923.1214	931.6858	939.9131	948.0884	
300.0	885.1077	887.3629	891.3935	903.4500	911.9500	921.0650	926.0650	934.6294	942.8567	951.0320	
300.0	888.0512	890.3064	894.3370	906.3934	914.8934	924.0084	929.0084	937.5728	945.8001	954.0254	
300.0	891.0000	893.2552	897.2858	909.3422	917.8422	926.9572	931.9572	940.5216	948.7489	956.9242	
300.0	893.9435	896.1987	900.2293	912.2857	920.7857	929.9007	934.9007	943.4651	951.6924	959.8678	
300.0	896.8870	899.1422	903.1728	915.2292	923.7292	932.8442	937.8442	946.4086	954.6359	962.8113	
300.0	899.8305	902.0857	906.1163	918.1727	926.6727	935.7877	940.7877	949.3521	957.5794	965.7548	
300.0	902.7740	905.0292	909.0598	921.1162	929.6162	938.7312	943.7312	952.2956	960.5229	968.6983	
300.0	905.7175	907.9727	911.9933	924.0497	932.5497	941.6647	946.6647	955.2291	963.4564	971.6318	
300.0	908.6610	910.9162	914.9368	927.0932	935.5932	944.7082	949.7082	958.2726	966.5000	974.6754	
300.0	911.6045	913.8597	917.8803	929.9367	938.4367	947.5517	952.5517	961.1161	969.3434	977.5188	
300.0	914.5480	916.8032	920.8238	932.8802	941.3802	950.4952	955.4952	964.0596	972.2869	980.4623	
300.0	917.4915	919.7467	923.7673	935.8237	944.3237	953.4387	958.4387	967.0031	975.2304	983.4058	
300.0	920.4350	922.6902	926.7108	938.7672	947.2672	956.3822	961.3822	970.0000	978.2273	986.4026	
300.0	923.3785	925.6337	929.6543	941.7107	950.2107	959.3257	964.3257	972.8901	981.1174	989.2928	
300.0	926.3220	928.5772	932.5978	944.6572	953.1572	962.2722	967.2722	975.8366	984.0639	992.2393	
300.0	929.2655	931.5207	935.5413	947.5977	956.0977	965.2127	970.2127	978.7771	987.0044	995.1798	
300.0	932.2090	934.4642	938.4848	950.5412	959.0412	968.1562	973.1562	981.7206	989.9479	998.1233	
300.0	935.1525	937.4077	941.4283	953.4847	961.9847	971.1000	976.1000	984.6644	992.8917	1001.0671	
300.0	938.0960	940.3512	944.3718	956.4282	964.9282	974.0432	979.0432	987.6076	995.8349	1004.0125	
300.0	941.0395	943.2947	947.3153	959.3717	967.8717	976.9867	981.9867	990.5511	998.7784	1006.9538	
300.0	943.9830	946.2382	950.2588	962.3152	970.8152	979.9302	984.9302	993.4946	1001.7219	1009.8973	
300.0	946.9265	949.1817	953.2023	965.2587	973.7587	982.8737	987.8737	996.4381	1004.6654	1012.8408	
300.0	949.8700	952.1252	956.1458	968.2022	976.7022	985.8172	990.8172	999.3816	1007.6089	1015.7843	
300.0	952.8135	955.0687	959.0893	971.1457	979.6457	988.7607	993.7607	1002.3251	1010.5524	1018.7278	
300.0	955.7570	957.9122	961.9328	973.9892	982.4892	991.6042	996.6042	1005.1686	1013.3959	1021.5713	
300.0	958.7005	960.9557	964.9763	977.0327	985.5327	994.6477	999.6477	1008.2121	1016.4394	1024.6167	
300.0	961.6440	963.8992	967.9198	979.9762	988.4762	997.5912	1002.5912				

ENTHALPY

TEMPERATURE DEGREES R	2-5000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3200.0	885.0005	887.6687	891.6194	906.4612	916.9280	920.2637	923.4829	926.4565	929.045	931.6196
3300.0	886.1614	890.8472	894.8208	909.7327	920.2637	923.4829	926.4565	929.045	931.6196	934.2461
3400.0	887.3281	892.0310	896.0310	911.0107	921.5442	924.7344	927.6772	930.3135	932.8568	935.4000
3500.0	888.5000	893.2185	901.2390	916.2944	926.8119	930.3135	932.8568	935.4000	937.9421	940.4853
3600.0	889.6765	894.4119	904.4661	919.5242	929.9977	932.8568	935.4000	937.9421	940.4853	943.0285
3700.0	890.8584	895.6111	907.6797	922.8801	932.8568	935.4000	937.9421	940.4853	943.0285	945.5719
3800.0	892.0437	896.8140	910.9075	926.1819	935.4000	937.9421	940.4853	943.0285	945.5719	948.1153
3900.0	893.2351	898.0239	914.1416	928.4917	937.9421	940.4853	943.0285	945.5719	948.1153	950.6587
4000.0	894.4331	899.2385	916.3518	930.8071	939.4897	942.0411	944.5339	947.0267	949.5195	952.0123
4100.0	895.6369	900.4592	918.5744	933.1294	941.8054	944.2982	946.7910	949.2838	951.7766	954.2694
4200.0	896.8465	901.6844	920.8017	935.4587	944.1194	946.6122	949.1050	951.5978	954.0906	956.5834
4300.0	898.0617	902.9150	923.0372	937.7944	946.4334	948.9262	951.4190	953.9118	956.4046	958.8974
4400.0	899.2829	904.1510	925.2812	940.1394	948.7586	951.2482	953.7410	956.2338	958.7266	961.2200
4500.0	900.5093	905.3927	927.5317	942.4897	951.0808	953.5710	956.0638	958.5566	961.0494	963.5422
4600.0	901.7417	906.6361	929.7871	944.8497	953.4308	955.9308	958.4236	960.9164	963.4092	965.9020
4700.0	902.9799	907.8845	931.0411	947.2097	955.7855	958.2855	960.7783	963.2711	965.7639	968.2567
4800.0	904.2239	909.1445	933.2965	949.5697	958.1408	960.6408	963.1336	965.6264	968.1192	970.6114
4900.0	905.4739	910.4005	935.5519	951.9297	960.4958	962.9958	965.4886	967.9814	970.4742	973.0670
5000.0	906.7289	911.6555	937.8073	954.2897	962.8508	964.8508	967.3436	969.8364	972.3292	974.8220
5100.0	907.9899	912.9165	940.0627	956.6497	965.2058	967.2058	969.6986	972.1886	974.6814	977.1742
5200.0	909.2569	914.1815	942.3231	958.9097	967.5608	969.5608	972.0536	974.5464	977.0392	979.5320
5300.0	910.5299	915.4545	944.5785	961.1697	969.8158	971.8158	974.3086	976.8014	979.2942	981.7870
5400.0	911.8029	916.7275	946.8339	963.4297	972.0708	974.0708	976.5636	979.0564	981.5470	984.0398
5500.0	913.0759	918.0005	949.0893	965.6897	974.3258	976.3258	978.8186	981.3114	983.8042	986.2970
5600.0	914.3489	919.2735	951.3447	967.9497	976.5808	978.5808	981.0736	983.5664	986.0592	988.5520
5700.0	915.6219	920.5461	953.6001	970.2097	978.8358	980.8358	983.3286	985.8214	988.3142	990.8070
5800.0	916.8949	921.8191	955.8555	972.4697	981.0908	983.0908	985.5836	988.0764	990.5692	993.0620
5900.0	918.1679	923.0921	958.1109	974.7297	983.3458	985.3458	987.8386	990.3314	992.8242	995.3170
6000.0	919.4409	924.3651	960.3663	976.9897	985.6008	987.6008	990.0936	992.5864	995.0792	997.5720
6100.0	920.7139	925.6385	962.6217	979.2497	987.8558	989.8558	992.3486	994.8414	997.3342	999.8270
6200.0	921.9869	926.9121	964.8771	981.5097	990.1108	992.1108	994.6036	997.0964	999.5892	1002.0820
6300.0	923.2599	928.1851	967.1325	983.7697	992.3658	994.3658	996.8586	999.3514	1001.8442	1004.3370
6400.0	924.5329	929.4581	969.3879	986.0297	994.6208	996.6208	999.1136	1001.6074	1004.0992	1006.5920
6500.0	925.8059	930.7311	971.6433	988.2897	996.8758	998.8758	1001.3686	1003.8614	1006.3542	1008.8470
6600.0	927.0789	932.0041	973.8987	990.5497	999.1308	1001.1308	1003.6236	1006.1164	1008.6092	1011.1020
6700.0	928.3519	933.2771	976.1541	992.8097	1001.3858	1003.3858	1005.8786	1008.3714	1010.8642	1013.3570
6800.0	929.6249	934.5501	978.4095	995.0697	1003.6408	1005.6408	1008.1336	1010.6264	1013.1192	1015.6120
6900.0	930.8979	935.8231	980.6649	997.3297	1005.8958	1007.8958	1010.3886	1012.8814	1015.3742	1017.8670
7000.0	932.1709	937.0961	982.9203	999.5897	1008.1508	1010.1508	1012.6436	1015.1364	1017.6292	1020.1220
7100.0	933.4439	938.3691	985.1757	1001.8497	1010.4058	1012.4058	1014.8986	1017.3914	1019.8842	1022.3770
7200.0	934.7169	939.6421	987.4311	1004.1097	1012.6608	1014.6608	1017.1536	1019.6464	1022.1392	1024.6320
7300.0	935.9899	940.9151	989.6865	1006.3697	1014.9158	1016.9158	1019.4086	1021.9014	1024.3942	1026.8870
7400.0	937.2629	942.1881	991.9419	1008.6297	1017.1708	1019.1708	1021.6636	1024.1564	1026.6492	1029.1420
7500.0	938.5359	943.4611	994.1973	1010.8897	1019.4258	1021.4258	1023.9186	1026.4114	1028.9042	1031.3970
7600.0	939.8089	944.7341	996.4527	1013.1497	1021.6808	1023.6808	1026.1736	1028.6664	1031.1592	1033.6520
7700.0	941.0819	946.0071	998.7081	1015.4097	1023.9358	1025.9358	1028.4286	1030.9214	1033.4142	1035.9070
7800.0	942.3549	947.2801	1000.9635	1017.6697	1026.1908	1028.1908	1030.6836	1033.1764	1035.6692	1038.1620
7900.0	943.6279	948.5531	1003.2189	1019.9297	1028.4458	1030.4458	1032.9386	1035.4314	1037.9242	1040.4170
8000.0	944.9009	949.8261	1005.4743	1022.1897	1030.7008	1032.7008	1035.1936	1037.6864	1040.1792	1042.6720
8100.0	946.1739	951.1001	1007.7297	1024.4497	1032.9558	1034.9558	1037.4486	1039.9414	1042.4342	1044.9270
8200.0	947.4469	952.3731	1010.0851	1026.7097	1035.2108	1037.2108	1039.7036	1042.1964	1044.6892	1047.1820
8300.0	948.7199	953.6461	1012.3405	1028.9697	1037.4658	1039.4658	1041.9564	1044.4492	1046.9420	1049.4350
8400.0	949.9929	954.9191	1014.5959	1031.2297	1039.7208	1041.7208	1044.2114	1046.7042	1049.1970	1051.6900
8500.0	951.2659	956.1941	1016.8513	1033.4897	1041.9758	1043.9758	1046.4686	1048.9614	1051.4542	1053.9470
8600.0	952.5389	957.4671	1019.1067	1035.7497	1044.2308	1046.2308	1048.7236	1051.2184	1053.7112	1056.2040
8700.0	953.8119	958.7401	1021.3621	1037.9697	1046.4858	1048.4858	1050.9786	1053.4714	1055.9642	1058.4570
8800.0	955.0849	960.0131	1023.6175	1040.2297	1048.7408	1050.7408	1053.2336	1055.7264	1058.2192	1060.7120
8900.0	956.3579	961.2861	1025.8729	1042.4897	1050.9958	1052.9958	1055.4886	1057.9814	1060.4742	1062.9670
9000.0	957.6309	962.5591	1028.1283	1044.7497	1053.2508	1055.2508	1057.7436	1060.2364	1062.7292	1065.2220
9100.0	958.9039	963.8321	1030.3837	1046.9697	1055.5058	1057.5058	1060.0006	1062.4954	1064.9882	1067.4770
9200.0	960.1769	965.1051	1032.6391	1049.2297	1057.7608	1059.7608	1062.2556	1064.7504	1067.2432	1069.7360
9300.0	961.4499	966.3781	1034.8945	1051.4897	1060.0158	1062.0158	1064.5106	1067.0034	1069.4962	1071.9810
9400.0	962.7229	967.6511	1037.1499	1053.7497	1062.2708	1064.2708	1066.7656	1069.2584	1071.7512	1074.2440
9500.0	963.9959	968.9241	1039.4053	1056.0097	1064.5258	1066.5258	1068.9786	1071.4684	1073.9612	1076.4540
9600.0	965.2689	970.1971	1041.6607	1058.2697	1066.7808	1068.7808	1071.2336	1073.7264	1076.2192	1078.7120
9700.0	966.5419	971.4701	1043.9161	1060.5297	1069.0358	1071.0358	1073.4886	1075.9814	1078.4742	1080.9670
9800.0	967.8149	972.7431	1046.1715	1062.7897	1071.2908	1073.2908	1075.7436	1078.2364	1080.7292	1083.2220
9900.0	969.0879	974.0161	1048.4269	1065.0497	1073.5458	1075.5458	1077.9986	1080.4914	1082.9842	1085.4770
10000.0	970.3609	975.2891	1050.6823	1067.3097	1075.8008	1077.8008	1080.2556	1082.7484	1085.2412	1087.7340

PRESSURE = TEMPERATURE / DEGREES R	2.5000 FUEL-AIR RATIO		ENTHALPY									
	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067			
3820.0	1065.4871	1069.5315	1075.3894	1093.9461	1111.9287	1129.8391	1148.7126	1172.2271	1204.3848			
3830.0	1064.4979	1071.1819	1079.0977	1097.4652	1115.9780	1134.0789	1153.2009	1177.1367	1209.7922			
3840.0	1072.7207	1076.8474	1082.8208	1101.7639	1120.0508	1138.3464	1157.7236	1182.0906	1215.2629			
3850.0	1076.5594	1080.5294	1086.5601	1105.4824	1124.1482	1142.6445	1162.2842	1187.0923	1220.7617			
3860.0	1080.0122	1084.2251	1090.3162	1109.6221	1128.2698	1146.9717	1166.8804	1192.1379	1226.2849			
3870.0	1083.4799	1087.9373	1094.0898	1113.5825	1132.4170	1151.3289	1171.5139	1197.2312	1231.8748			
3880.0	1087.3613	1091.6641	1097.8789	1117.5637	1136.5896	1155.7180	1176.1865	1202.3723	1237.5125			
3890.0	1091.0593	1095.4080	1101.6873	1121.5676	1140.7896	1160.1394	1180.8989	1207.5637	1243.1995			
3900.0	1094.7722	1099.1570	1105.5122	1125.5935	1145.0159	1164.5933	1185.6511	1212.8025	1248.9333			
3910.0	1098.5012	1102.9441	1109.3560	1129.6618	1149.2703	1169.0801	1190.4431	1218.0918	1254.7158			
3920.0	1102.2454	1106.7383	1113.2180	1133.7139	1153.5513	1173.6013	1195.2701	1223.4321	1260.5481			
3930.0	1106.0078	1110.5498	1117.0994	1137.8048	1157.8630	1178.1572	1200.1553	1228.8247	1266.4324			
3940.0	1109.7454	1114.3801	1120.9908	1141.9290	1162.2031	1182.7480	1205.0757	1234.2686	1272.3652			
3950.0	1113.5813	1118.2275	1124.9199	1146.0728	1166.5735	1187.3762	1210.0403	1239.7656	1278.3696			
3960.0	1117.3940	1122.0940	1128.8613	1150.2434	1170.9749	1192.0088	1215.0508	1245.3176	1284.3879			
3970.0	1121.2239	1125.9797	1132.8228	1154.4385	1175.6075	1196.7439	1220.1076	1250.9243	1290.4783			
3980.0	1125.0728	1129.8833	1136.8049	1158.6599	1179.8708	1201.4866	1225.2095	1256.5847	1296.6206			
3990.0	1128.9394	1133.8074	1140.8098	1162.9072	1184.3669	1206.2851	1230.3601	1262.3020	1302.8169			
4000.0	1132.8269	1137.7520	1144.8337	1167.1848	1188.8979	1211.0859	1235.5588	1268.0757	1309.0876			

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3.0000 PRESS. MP = TEMPERATURE DEGREES F	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
290.0	894.4094	897.4700	899.4097	904.2258	916.6716	928.8079	940.6490	952.5366	961.3699
295.0	897.4670	899.4626	899.4095	907.4902	919.9995	932.1970	944.1404	956.0688	967.1287
300.0	899.4614	899.4613	897.4066	910.7615	923.3345	935.5933	947.6003	959.6111	970.6800
310.0	894.42954	897.4042	901.0132	914.0366	926.6760	938.9973	951.0686	963.1636	974.6580
320.0	897.46664	900.1924	904.2246	917.3203	929.0229	940.4082	954.5439	966.7268	978.4487
330.0	900.46431	903.3855	907.6412	920.6091	933.3784	945.6264	958.0293	970.3018	982.2571
340.0	903.8240	906.5830	910.6628	923.9071	936.7388	948.5215	961.5215	973.8867	986.0837
350.0	907.6100	909.7864	913.8906	927.2031	940.1067	952.6866	965.0239	977.4839	989.9302
360.0	910.7207	913.5956	917.1215	930.5110	943.4817	956.1267	968.5361	981.0950	993.7954
370.0	916.2067	920.3625	924.8242	938.8242	952.8640	965.5757	978.2158	991.7158	997.6794
380.0	916.5089	919.4242	923.6069	937.1643	950.2537	963.0334	975.5874	988.1504	1001.5862
390.0	919.8044	922.6536	926.8567	940.4709	953.6506	966.5000	979.1277	991.9990	1005.5095
400.0	923.6171	925.8835	930.1134	943.8049	957.0562	969.6756	982.6790	995.6606	1009.5553
410.0	926.2749	929.1194	933.3753	946.1445	960.4483	973.4590	986.2402	999.3362	1013.6224
420.0	929.4585	932.2621	935.6443	950.4512	963.8901	977.8599	989.8135	1003.0273	1017.6114
430.0	932.6870	935.6106	939.9189	953.8664	967.3196	980.4561	993.3972	1006.7329	1021.6241
440.0	935.9214	938.4643	943.2007	957.2109	970.7576	983.6988	996.6929	1010.4536	1025.8575
450.0	939.1631	942.1250	946.4485	960.5818	974.2048	987.4545	1000.6001	1014.1907	1029.5142
460.0	942.4099	945.3018	949.7832	963.9604	977.6604	991.0249	1004.2190	1017.9443	1033.5952
470.0	945.6624	948.6663	953.3854	967.3647	981.1255	994.5688	1007.6513	1021.7148	1037.7000
480.0	948.9226	951.9460	956.3933	970.7410	984.5996	998.1226	1011.6966	1025.5079	1041.8297
490.0	952.1880	955.2329	959.7100	974.5542	988.0845	1001.6687	1015.1544	1029.3093	1045.9634
500.0	955.4604	958.5261	963.0312	977.5522	991.5784	1005.2659	1018.8271	1033.1338	1050.1631
510.0	958.7400	961.8271	966.3638	980.9743	995.0825	1008.8550	1022.5137	1036.9773	1054.3691
520.0	962.0251	965.1350	969.7019	984.4060	998.5947	1012.4586	1026.2136	1040.8403	1058.5991
530.0	965.3188	968.4502	973.0484	987.8640	1002.1218	1016.0691	1029.9294	1044.7241	1062.8582
540.0	968.6187	971.7727	976.6016	991.2925	1005.6577	1019.6951	1033.6505	1058.6289	1067.1647
550.0	971.9255	975.11025	979.7639	994.7693	1009.2048	1023.3335	1037.4070	1052.5544	1071.4578
560.0	975.2405	978.4407	983.1340	998.2178	1012.7637	1034.9856	1041.1699	1056.5024	1075.7981
570.0	978.5623	981.7869	986.6129	1001.6971	1016.3333	1036.4516	1044.9490	1060.4719	1080.1685
580.0	981.8928	985.1411	989.9001	1005.1831	1019.9163	1038.3318	1048.7458	1064.4643	1084.5678
590.0	985.2292	988.45029	993.2976	1008.6812	1023.5105	1041.0259	1052.5596	1068.4834	1088.9961
600.0	988.5754	991.8718	996.7024	1012.1916	1027.1159	1047.7359	1056.3916	1072.5247	1093.5365
610.0	991.9294	995.2529	1000.1147	1015.7104	1030.7371	1045.4592	1060.2429	1076.5925	1097.9444
620.0	995.2913	998.6394	1003.5403	1019.2410	1034.3694	1049.1995	1064.1121	1080.6859	1102.8590
630.0	998.6621	1002.0374	1006.9739	1022.7839	1038.0166	1052.9551	1068.0010	1084.8044	1107.0107
640.0	1002.0405	1005.4429	1010.4163	1026.3376	1041.6783	1056.7263	1071.9104	1088.9504	1111.5965
650.0	1005.4292	1008.8589	1013.8694	1029.9050	1045.3516	1060.5151	1075.6403	1097.1252	1116.2100
660.0	1008.8259	1012.2837	1017.3325	1033.4839	1049.0398	1064.3215	1079.7910	1097.3281	1120.8598
670.0	1012.2322	1015.7185	1020.8062	1037.0754	1052.7439	1068.1450	1083.7644	1101.5608	1125.3427
680.0	1015.6472	1019.1614	1024.2905	1040.6785	1056.4622	1071.9883	1087.7593	1105.8228	1130.2583
690.0	1019.0725	1022.6162	1027.7859	1044.2941	1060.1970	1075.8469	1091.7759	1110.1147	1135.0095
700.0	1022.5071	1026.0811	1031.2915	1047.9270	1063.9482	1078.7266	1095.8179	1114.4399	1139.7984
710.0	1025.9514	1029.5571	1034.8093	1051.5713	1067.7144	1083.6283	1099.8826	1114.7959	1144.5174
720.0	1029.4070	1033.10430	1038.3382	1055.2301	1071.6983	1087.5639	1103.9727	1123.1653	1149.5773
730.0	1032.8713	1036.5386	1041.8782	1058.9021	1075.2981	1091.4824	1108.0674	1127.6079	1154.3711
740.0	1036.3477	1040.0479	1045.6312	1062.5896	1079.1167	1095.4621	1112.2280	1132.0654	1159.3032
750.0	1039.8342	1043.5674	1048.9973	1066.2927	1082.9524	1098.4241	1116.3967	1136.5581	1164.2734
760.0	1043.3308	1047.0981	1052.5715	1070.0103	1086.8062	1103.4272	1120.5916	1141.0862	1149.2810
770.0	1046.8406	1050.6404	1056.1641	1073.7434	1090.6792	1107.4531	1124.6140	1145.2597	1174.3279
780.0	1050.3606	1054.1956	1059.7676	1077.6291	1095.5715	1111.5022	1129.0652	1150.2527	1179.5176
790.0	1053.8911	1057.7632	1063.3838	1081.2565	1098.4829	1115.5752	1133.3455	1154.8943	1184.5403
800.0	1057.4358	1061.3430	1067.0142	1085.081	1102.4158	1119.6726	1137.6365	1159.2537	1189.7078
810.0	1060.9915	1064.9358	1070.6582	1088.8416	1106.3682	1123.7944	1141.9978	1164.2927	1194.9153

PRESSURE = 3.0000									
TEMPERATURE / FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1064.5596	1068.5413	1074.3167	1092.6540	1110.3411	1127.9399	1146.3696	1169.0590	1200.1634
3830.0	1068.1404	1072.1606	1077.9895	1096.4941	1114.3357	1132.1130	1150.7742	1173.223	1205.4551
3840.0	1071.7336	1075.7922	1081.6758	1100.3262	1118.3523	1136.3120	1155.2107	1178.6943	1210.7883
3850.0	1075.3401	1079.4409	1085.3789	1104.2183	1122.3923	1140.5388	1159.6419	1183.5801	1216.1685
3860.0	1078.9607	1083.1021	1089.0474	1108.1094	1126.4546	1144.5930	1164.1885	1188.5093	1221.5862
3870.0	1082.5942	1086.7771	1092.8298	1112.0198	1130.5403	1149.0752	1168.7263	1193.4819	1227.0510
3880.0	1086.2415	1090.4678	1096.5798	1115.9497	1134.6494	1153.1865	1173.3013	1198.4998	1232.5615
3890.0	1089.9028	1094.1733	1100.3462	1119.9004	1138.7844	1157.2885	1177.9141	1203.5640	1238.1177
3900.0	1093.5796	1097.8963	1104.1284	1127.8113	1142.9429	1162.0989	1182.5635	1208.6736	1243.7178
3910.0	1097.2705	1101.6304	1107.9280	1127.8635	1147.1277	1166.5012	1187.2502	1213.8303	1249.3655
3920.0	1100.9766	1105.3828	1111.7441	1131.8770	1151.3379	1170.9351	1191.9771	1219.0384	1255.0601
3930.0	1104.6980	1109.1506	1115.5786	1135.9126	1155.5757	1175.4009	1196.7427	1224.2894	1260.8030
3940.0	1108.4348	1112.9348	1119.4304	1139.9712	1159.8406	1179.9006	1201.5486	1229.5928	1266.5935
3950.0	1112.1880	1116.7393	1123.3015	1144.0522	1164.1333	1184.4324	1206.3984	1234.9448	1272.4316
3960.0	1115.9575	1120.5586	1127.1914	1148.1567	1168.4546	1188.9995	1211.2851	1240.3694	1278.3208
3970.0	1119.7439	1124.3940	1131.0999	1152.2954	1172.8047	1193.4025	1216.2160	1245.8054	1284.2598
3980.0	1123.5452	1128.2510	1135.0286	1156.4377	1177.1836	1198.2397	1221.1936	1251.3120	1290.2878
3990.0	1127.3647	1132.1233	1138.9756	1160.6155	1181.5930	1202.9138	1226.2141	1256.8723	1296.2874
4000.0	1131.2026	1136.0168	1142.9448	1164.8184	1184.0342	1207.6250	1231.2793	1262.4843	1302.3875

ENTHALPY

ENTHALPY

TEMPERATURE DEGREES F	3.5000 FUEL/AIR RATIO	0.004	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	728.1597	734.7991	744.2161	753.4480	762.5066	771.3936	777.3159
2750.0	721.2593	725.2249	728.1597	731.1223	737.8147	747.2859	756.5732	765.6961	774.6226	780.7798
2760.0	726.1934	728.1704	731.1223	734.0859	740.8147	750.3584	759.6590	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	737.0503	743.8534	753.4319	762.8559	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	740.0164	746.8734	756.5066	765.9541	775.2292	784.3149	790.3784
2790.0	735.0032	737.0142	740.0164	742.9833	749.8455	759.5830	769.0840	778.4049	787.5448	793.6474
2800.0	737.9419	739.9439	742.9833	745.9509	752.9182	762.6002	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	748.9174	755.9417	765.7383	775.3667	784.7722	794.0194	800.3899
2820.0	743.8216	745.8665	748.9174	751.8899	758.9463	768.8174	778.4795	787.9580	797.2571	803.8628
2830.0	746.7634	748.8194	751.8899	754.8604	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8604	757.8330	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	760.8059	768.0471	777.0632	786.7865	796.3234	805.6778	813.4905
2860.0	755.5940	757.6846	760.8059	763.7800	771.0742	780.1472	789.8659	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	766.7546	774.1044	783.2324	792.9335	803.9033	813.6446	820.9488
2880.0	761.4861	763.5994	766.7546	769.7561	777.1375	786.3166	795.9335	807.0994	816.7097	823.3296
2890.0	764.4343	766.5480	769.7561	772.7403	780.1951	789.8304	799.4890	810.3152	819.9761	826.6355
2900.0	767.3829	769.4980	772.7403	775.7427	783.3057	793.5945	803.4838	814.5784	823.2839	829.9893
2910.0	770.3310	772.4480	775.7427	778.7473	786.4197	796.7617	806.9019	818.6477	826.5967	833.3484
2920.0	773.2795	775.3980	778.7473	781.9902	789.5364	799.9316	810.1221	820.1133	829.9111	836.7119
2930.0	776.2280	778.3480	781.9902	785.0562	792.6558	803.1045	813.3467	823.3857	833.2292	840.0793
2940.0	779.1765	781.2980	785.0562	788.1245	795.7781	806.2805	816.5732	826.6604	836.5500	843.4526
2950.0	782.1250	784.2480	788.1245	791.1946	798.9031	809.4595	819.8027	829.9387	839.8745	846.8308
2960.0	785.0735	787.1980	791.1946	794.2698	802.0113	812.6411	823.0356	833.2202	843.2021	850.2141
2970.0	788.0220	790.1480	794.2698	797.3469	805.1626	815.8264	826.2717	836.5046	846.5337	853.6030
2980.0	790.9705	793.1000	797.3469	800.4260	808.2969	819.0149	829.5110	839.7922	849.8691	856.9985
2990.0	793.9190	796.0490	800.4260	803.5090	811.4343	822.2061	832.7534	843.0837	853.2083	860.3989
3000.0	796.8675	798.9980	803.5090	806.5952	814.5750	825.4001	835.9888	846.3777	856.5493	863.8059
3010.0	799.8160	801.9480	806.5952	809.6843	817.7188	828.5981	839.2490	849.6764	859.8942	867.2195
3020.0	802.7645	804.8980	809.6843	812.7761	820.8662	831.7998	842.5020	852.9785	863.2468	870.6399
3030.0	805.7130	807.8480	812.7761	815.8708	824.0141	835.0044	845.7585	856.2847	866.6013	874.0659
3040.0	808.6615	810.7980	815.8708	818.9945	827.1692	838.2126	849.0183	859.5933	869.9597	877.5002
3050.0	811.6100	813.7480	818.9945	822.0713	830.3247	841.4250	852.2825	862.9032	873.3228	880.8429
3060.0	814.5585	816.6980	822.0713	825.1946	833.4875	844.6409	855.5503	866.2266	876.6909	884.3916
3070.0	817.5070	819.6480	825.1946	828.3169	836.6514	847.8596	858.8215	869.5461	880.0632	887.8481
3080.0	820.4555	822.5980	828.3169	831.3260	839.6188	851.0825	862.0967	872.8711	883.4399	891.3145
3090.0	823.4040	825.5480	831.3260	834.2960	842.9902	854.3098	865.3765	876.2017	886.8218	894.7883
3100.0	826.3525	828.4980	834.2960	837.2680	846.1653	857.5403	868.6499	879.5386	890.2092	898.8710
3110.0	829.3010	831.4480	837.2680	840.2400	849.3445	860.7749	871.9475	882.8780	893.6013	901.7632
3120.0	832.2495	834.3980	840.2400	843.2120	852.5271	864.0139	875.2395	886.2988	896.9988	905.2651
3130.0	835.1980	837.3480	843.2120	846.1860	855.7131	867.2571	878.5359	889.6557	900.4021	908.7771
3140.0	838.1465	840.2980	846.1860	849.1600	858.9041	870.5046	881.8374	892.9189	903.8108	912.2991
3150.0	841.0950	843.2480	849.1600	852.1240	862.0961	873.7559	885.1426	896.2764	907.2251	915.8308
3160.0	844.0435	846.1980	852.1240	855.0980	865.2969	877.0117	888.4529	899.6396	910.6458	919.3705
3170.0	846.9920	849.1480	855.0980	858.0720	868.5002	880.2722	891.7678	903.0073	914.0725	922.9272
3180.0	849.9405	852.0980	858.0720	861.0460	871.7070	883.5374	895.0811	906.3813	917.5071	926.4937
3190.0	852.8890	855.0480	861.0460	864.0200	874.9187	886.8071	898.4126	909.7598	920.9443	930.0496
3200.0	855.8375	857.9980	864.0200	867.0000	877.9187	889.8071	901.3432	912.6444	924.3931	933.5592
3210.0	858.7860	860.9480	867.0000	870.0720	881.3550	893.2435	905.0781	916.7352	927.8477	937.2612
3220.0	861.7345	863.8980	869.0720	872.1440	883.5803	895.4687	907.1613	918.7931	930.3093	940.8757
3230.0	864.6830	866.8480	872.1440	875.2160	886.8455	898.7339	910.3267	921.9321	934.7783	944.5049
3240.0	867.6315	869.7980	875.2160	878.2880	889.9145	901.8029	913.3176	924.7834	938.2551	948.7483
3250.0	870.5800	872.7480	878.2880	881.3600	892.9865	904.8750	916.3592	927.7734	941.7402	951.8014
3260.0	873.5285	875.6980	881.3600	884.4320	896.0630	907.9515	919.3866	930.7592	945.2329	955.6717
3270.0	876.4770	878.6480	884.4320	887.5040	898.6945	910.5860	921.9366	933.3191	948.7351	959.1570

ENTHALPY

TEMPERATURE / DEGREES R	3.5000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	884.4523	887.3042	891.2371	894.0332	904.0332	916.4626	924.5847	940.4453	952.2451	967.4569
3290.0	887.4807	890.4763	894.4242	897.2930	907.2930	919.7854	928.9668	943.8882	955.7649	967.4569
3300.0	890.9644	893.6504	897.6260	901.5546	911.5546	924.1355	933.3555	947.3386	959.2939	970.3039
3310.0	894.1272	896.8311	900.8286	904.8349	914.8349	927.4485	936.7515	950.7971	962.8333	974.0522
3320.0	897.2944	900.0112	904.0349	908.0629	918.0629	930.7486	940.1533	954.2825	966.3018	977.8164
3330.0	900.4664	903.2021	907.2382	911.2762	921.2762	933.9357	943.3357	957.4688	969.4909	981.5984
3340.0	903.6431	906.3933	910.4611	914.5291	924.5291	937.1890	946.5892	960.7268	972.7515	984.9977
3350.0	906.8247	909.5948	913.6631	917.7311	927.7311	940.3911	949.7911	963.9287	975.9518	988.2144
3360.0	910.0112	912.7979	916.8663	920.9353	930.9353	943.5953	952.9953	967.1329	979.1560	991.4786
3370.0	913.2031	916.0006	920.1442	924.2878	934.2878	946.9478	956.3478	970.4854	982.5085	994.8306
3380.0	916.3984	919.2200	923.3636	927.5072	937.5072	950.1672	959.5672	973.7048	985.7279	997.9501
3390.0	919.6004	922.4305	926.5741	930.7177	940.7177	953.3777	962.7777	976.9153	988.9384	1000.9615
3400.0	922.8074	925.6611	929.8147	933.9683	943.9683	956.6283	966.0283	980.1659	992.1890	1004.2121
3410.0	926.0193	928.8830	933.0366	937.1902	947.1902	960.8502	970.2502	984.3878	996.4109	1008.4340
3420.0	929.2373	932.1309	936.2845	940.4381	950.4381	964.0981	973.4981	987.6357	999.6588	1011.6819
3430.0	932.4597	935.3771	939.5307	943.6843	953.6843	967.3443	976.7443	990.8819	1002.9050	1015.9281
3440.0	935.6887	938.6144	942.7680	946.9216	956.9216	970.5816	979.9816	994.1192	1006.1423	1019.1654
3450.0	938.9231	941.8778	946.0314	950.1850	960.1850	973.8450	983.2450	997.3826	1009.4057	1022.3888
3460.0	942.1631	945.1318	949.2854	953.4390	963.4390	977.0990	986.4990	1000.6366	1012.6597	1025.6828
3470.0	945.4089	948.3922	952.5458	956.6994	966.6994	980.3594	989.7594	1004.2970	1016.3201	1029.4032
3480.0	948.6614	951.6773	955.8309	959.9845	969.9845	983.6445	993.0445	1007.5821	1019.6052	1032.6263
3490.0	951.9194	954.9512	959.1048	963.2584	973.2584	986.9184	996.3184	1010.8560	1022.8791	1036.0022
3500.0	955.1848	958.2311	962.3847	966.5383	976.5383	990.1983	999.5983	1013.6359	1025.6590	1038.8773
3510.0	958.4556	961.5229	965.6765	969.8301	979.8301	993.4901	1002.8901	1016.8277	1028.8508	1041.7524
3520.0	961.7334	964.8211	968.9647	973.1083	983.1083	996.7683	1006.1683	1020.1059	1032.1290	1045.0275
3530.0	965.0176	968.1318	972.2754	976.4190	986.4190	1000.0790	1009.4790	1022.8166	1034.8397	1048.3026
3540.0	968.3088	971.4418	975.5854	979.7290	989.7290	1003.3890	1012.7890	1025.4997	1037.5228	1051.5779
3550.0	971.6064	974.7614	978.9050	983.0486	993.0486	1006.7086	1016.1086	1028.8193	1040.8424	1054.8530
3560.0	974.9114	978.0918	982.2354	986.3790	996.3790	1010.0390	1019.4390	1032.1566	1044.1799	1058.1281
3570.0	978.2236	981.4280	985.5716	989.7152	999.7152	1013.3752	1022.7752	1035.4959	1047.5204	1061.4032
3580.0	981.5430	984.7711	988.9047	993.0483	1003.0483	1016.7083	1026.1083	1038.8190	1050.8421	1064.6783
3590.0	984.8706	988.1218	992.2654	996.4090	1006.4090	1020.0690	1029.4690	1041.5897	1053.8724	1067.9535
3600.0	988.2041	991.4781	995.6217	999.7653	1009.7653	1023.4253	1032.8253	1045.9100	1058.9407	1071.2286
3610.0	991.5474	994.8447	998.9883	1003.1319	1013.1319	1026.7919	1036.1919	1049.5126	1062.5431	1074.5037
3620.0	994.8967	998.2211	1002.3647	1006.5083	1016.5083	1030.1683	1039.5683	1052.8890	1065.9106	1077.7788
3630.0	998.2559	1001.6044	1005.7480	1009.8916	1019.8916	1033.5516	1042.9516	1056.2723	1069.6348	1081.0539
3640.0	1001.6213	1004.9945	1009.1381	1013.2817	1023.2817	1036.9417	1046.3417	1059.6624	1072.9850	1086.2591
3650.0	1004.9973	1008.4046	1012.5482	1016.6918	1026.6918	1040.3518	1049.7518	1063.0725	1076.3951	1090.6702
3660.0	1008.3799	1011.8145	1015.9581	1020.1017	1030.1017	1043.7617	1053.1617	1066.4824	1079.8050	1094.1453
3670.0	1011.7727	1015.2202	1019.3638	1023.5074	1033.5074	1047.1674	1056.5674	1069.8881	1083.2107	1097.6854
3680.0	1015.1731	1018.6589	1022.8025	1026.9461	1036.9461	1050.6061	1059.9961	1073.3168	1086.6394	1101.2105
3690.0	1018.5835	1022.0947	1026.2383	1030.3819	1040.3819	1054.0419	1063.4419	1076.7626	1090.0852	1104.6356
3700.0	1022.0029	1025.5449	1029.6885	1033.8321	1043.8321	1057.4921	1066.8921	1080.2128	1093.5354	1107.9605
3710.0	1025.4314	1029.0002	1033.1438	1037.2874	1047.2874	1060.9474	1070.3474	1083.6681	1096.9907	1111.2854
3720.0	1028.8701	1032.4719	1036.6155	1040.7591	1050.7591	1064.4191	1073.8191	1087.1400	1099.4626	1114.6103
3730.0	1032.3174	1035.9522	1040.0958	1044.2394	1054.2394	1067.8994	1077.2994	1090.6201	1103.9427	1118.2352
3740.0	1035.7764	1039.4442	1043.5878	1047.7314	1057.7314	1071.3914	1080.7914	1104.1121	1117.4347	1121.7596
3750.0	1039.2451	1042.9335	1047.0771	1051.2207	1061.2207	1074.8807	1084.2807	1107.6014	1120.9240	1125.2489
3760.0	1042.7227	1046.4450	1050.5886	1054.7322	1064.7322	1078.3922	1087.7922	1111.1129	1124.4355	1128.7604
3770.0	1046.2122	1049.9727	1054.1163	1058.2599	1068.2599	1081.9199	1091.3199	1114.6406	1127.9632	1132.2877
3780.0	1049.7122	1053.5066	1057.6502	1061.7938	1071.7938	1085.4538	1094.8538	1118.1645	1131.4871	1135.8116
3790.0	1053.2234	1057.0515	1061.1951	1065.3387	1075.3387	1089.0007	1098.4007	1121.9214	1135.2440	1139.5685
3800.0	1056.7461	1060.6046	1064.7482	1068.8918	1078.8918	1092.5518	1101.9518	1125.8125	1139.1351	1143.4596
3810.0	1060.2800	1064.1740	1068.3176	1072.4612	1082.4612	1096.1212	1105.5212	1119.1819	1132.5045	1136.8290

PRESSURE = 3.5000		ENTHALPY									
TEMPERATURE DEGREES R	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
3820.0	1063.8254	1067.7598	1073.4673	1091.6096	1109.0898	1126.4470	1144.5276	1166.5505	1196.7920		
3830.0	1067.3833	1071.3538	1077.1123	1095.4102	1113.0422	1130.5674	1148.8667	1171.2649	1201.9902		
3840.0	1070.9531	1074.9812	1080.7720	1099.2271	1117.0142	1134.7122	1153.2349	1176.0181	1207.2888		
3850.0	1074.5354	1078.5823	1084.4460	1103.0630	1121.0085	1138.8835	1157.6370	1180.8127	1212.5103		
3860.0	1078.1287	1082.2156	1088.1338	1106.9153	1125.0244	1143.0806	1162.0691	1185.6477	1217.8313		
3870.0	1081.7364	1085.8625	1091.8364	1110.7866	1129.0618	1147.3032	1166.5347	1190.5244	1223.1958		
3880.0	1085.3564	1089.5239	1095.5544	1114.6765	1133.1216	1151.5537	1171.0339	1195.4443	1228.6030		
3890.0	1088.9915	1093.1992	1099.2876	1118.5852	1137.2046	1155.8328	1175.5684	1200.4082	1234.0549		
3900.0	1092.6387	1096.8892	1103.0761	1122.5137	1141.3108	1160.1389	1180.1367	1205.8153	1239.5564		
3910.0	1096.2998	1100.5950	1106.8015	1126.4619	1145.4419	1164.4781	1184.7407	1210.6666	1245.0945		
3920.0	1099.9761	1104.3147	1110.5818	1130.4297	1149.5972	1168.8398	1189.3818	1215.5640	1250.6785		
3930.0	1103.6660	1108.0496	1114.3794	1134.4187	1153.7765	1173.2356	1194.0601	1220.7083	1256.3086		
3940.0	1107.3706	1111.8013	1118.1946	1138.4297	1157.9824	1177.6621	1198.7761	1225.8984	1261.9836		
3950.0	1111.0903	1115.5674	1122.0241	1142.4607	1162.2134	1182.1201	1203.5303	1231.1360	1267.7051		
3960.0	1114.8250	1119.3506	1125.8750	1146.5146	1166.4722	1186.6104	1208.3254	1236.6276	1273.6744		
3970.0	1118.5759	1123.1504	1129.7439	1150.5911	1170.7583	1191.1343	1213.1609	1241.7583	1279.2920		
3980.0	1122.3414	1126.9663	1133.6294	1154.6890	1175.0715	1195.6907	1218.8356	1247.1426	1285.1560		
3990.0	1126.1245	1130.7996	1137.5317	1158.8113	1179.4126	1200.2820	1222.9536	1252.3784	1291.0701		
4000.0	1129.9238	1134.6509	1141.4570	1162.9578	1183.7834	1204.9082	1227.9136	1258.0652	1297.0325		

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[illegible]

PRESSURE = 4.0000		ENTHALPY									
TEMPERATURE / DEGREES R	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
3820.0	1063.2244	1067.1184	1072.7715	1076.3950	1080.7322	1108.0674	1125.2285	1143.0283	1164.5110	1194.0103	
3830.0	1066.7627	1070.6924	1076.3950	1079.5247	1094.5247	1111.9856	1129.3066	1147.3132	1169.1543	1199.1318	
3840.0	1070.1130	1074.2793	1080.0317	1084.3127	1098.3127	1118.9229	1137.4042	1151.6272	1173.4367	1204.2920	
3850.0	1073.8757	1077.8782	1083.8824	1102.1184	1102.1184	1118.8799	1137.5342	1155.9714	1178.5549	1209.4932	
3860.0	1077.4497	1081.4902	1087.3455	1105.9402	1105.9402	1123.8577	1141.6643	1160.3859	1183.3132	1214.7334	
3870.0	1081.9349	1085.1140	1091.0239	1109.7798	1109.7798	1127.8560	1145.8594	1164.7512	1188.1118	1220.0149	
3880.0	1084.4345	1088.7515	1094.7154	1113.6367	1113.6367	1131.8757	1150.0603	1169.1882	1192.9509	1225.3372	
3890.0	1088.2458	1092.4036	1098.4229	1117.5122	1117.5122	1135.9175	1154.2881	1173.6587	1197.8325	1230.7026	
3900.0	1091.8698	1096.0691	1102.1440	1121.4058	1121.4058	1139.9822	1158.5420	1178.1014	1202.7551	1236.1086	
3910.0	1095.5071	1099.7483	1105.8406	1125.3181	1125.3181	1144.0676	1162.8237	1182.6975	1207.7202	1241.5569	
3920.0	1099.1575	1103.4412	1109.6331	1129.2495	1129.2495	1148.1770	1167.1333	1187.2693	1212.7292	1247.0498	
3930.0	1102.8228	1107.1494	1113.4011	1133.2002	1133.2002	1152.3103	1171.4722	1191.8767	1217.7830	1252.5869	
3940.0	1106.5012	1110.8721	1117.1858	1137.1721	1137.1721	1156.4685	1175.8401	1196.5193	1222.8809	1258.1667	
3950.0	1110.1943	1114.6099	1120.9861	1141.1636	1141.1636	1160.6504	1180.2373	1201.1980	1228.0229	1263.7905	
3960.0	1113.9023	1118.3633	1124.8020	1145.1745	1145.1745	1164.8579	1184.6653	1205.9160	1233.2136	1269.4624	
3970.0	1117.6240	1122.1328	1128.6375	1149.2100	1149.2100	1169.0920	1189.1250	1210.6711	1238.4500	1275.1790	
3980.0	1121.3613	1125.9175	1132.4888	1153.2649	1153.2649	1173.3516	1193.6152	1215.4851	1243.7341	1280.9414	
3990.0	1125.1135	1129.7188	1136.3577	1157.3420	1157.3420	1177.6367	1198.1394	1220.2993	1249.0664	1286.7512	
4000.0	1128.8811	1133.5366	1140.2449	1161.4426	1161.4426	1181.9512	1202.6958	1225.1743	1254.4478	1292.6079	

PRESSURE = 5.0000		ENTHALPY									
TEMPERATURE /	FUEL/AIR RATIO										
INFGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090
740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5046	771.3938	777.5159	782.5046	787.3938
750.0	723.2543	725.2269	728.1597	737.8167	747.2859	756.5732	765.6841	774.6224	780.7798	785.8647	790.9378
760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6910	768.8511	777.8571	783.0437	788.1611	793.2611
770.0	729.1292	731.1172	734.0459	743.8518	753.4319	762.8259	772.0417	781.0830	786.3110	791.5222	796.6710
780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	789.5784	794.8310	799.9784
790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4049	787.5688	792.8049	798.0479	803.2310
800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7037	795.9182	801.1222	806.2810
810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3472	784.7722	793.9198	799.1222	804.3210	809.5182
820.0	743.8218	745.8652	748.9199	758.9863	768.8176	778.4795	787.9580	797.2571	802.5571	807.8510	813.1310
830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1443	800.4961	805.7961	811.0910	816.3810
840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	809.0363	814.3310	819.6210
850.0	752.6497	754.7284	757.8330	768.0671	778.0632	787.8865	797.5234	806.9778	812.2778	817.5710	822.8610
860.0	755.5940	757.6846	760.8059	771.0782	781.1472	791.0244	800.7114	810.2705	815.5705	820.8610	826.1510
870.0	758.5394	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4666	818.7666	824.0610	829.3510
880.0	761.4861	763.5984	766.7510	777.1375	787.3186	797.3510	807.3363	817.3766	822.6766	827.9710	833.2610
890.0	764.4336	766.5586	769.7310	780.1699	790.4049	800.4456	810.4922	820.5466	825.8466	831.1410	836.4310
900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.6800	823.7800	829.0800	834.3810	839.6710
910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.8810	826.9366	832.2366	837.5310	842.8210
920.0	773.3220	775.4812	778.7058	789.3137	799.7141	809.9143	819.9187	829.9366	835.2366	840.5310	845.8210
930.0	776.3538	778.5244	781.7664	792.4107	802.8843	813.1350	823.1840	833.0466	838.3466	843.6410	848.9310
940.0	779.3869	781.5686	784.8303	795.5503	806.0566	816.3510	826.3590	836.3677	841.6677	846.9610	852.2510
950.0	782.4226	784.6189	787.8962	798.8926	809.5237	819.8550	829.7339	839.6841	845.0841	850.3810	855.6710
960.0	785.4622	787.6702	790.9653	801.7986	812.4114	822.8137	833.0100	843.0066	848.4066	853.7010	859.0010
970.0	788.5027	790.7236	794.0366	804.9268	815.5933	826.0461	836.2908	846.3328	851.7328	857.0310	862.3310
980.0	791.5476	793.7805	797.1121	808.0581	818.7783	829.2817	839.5740	849.6621	855.0621	860.3610	865.6610
990.0	794.5940	796.8394	800.1885	811.1821	821.9656	832.5194	842.8611	852.9941	858.3941	863.6910	869.0010
1000.0	797.6414	799.8968	803.2510	814.3289	825.1580	835.7615	846.1580	856.3301	861.7301	867.0310	872.3310
1010.0	800.6956	802.9666	806.3510	817.4695	828.3503	839.0066	849.4479	859.6704	865.0704	870.3710	875.6710
1020.0	803.7517	806.0339	809.4382	820.6135	831.5476	842.2546	852.7600	863.0134	868.4134	873.7110	879.0110
1030.0	806.8093	809.1052	812.5271	823.7600	834.7480	845.5059	856.0393	866.3601	871.7601	877.0610	882.3610
1040.0	809.8699	812.1792	815.6191	826.9092	837.9517	848.7603	859.3613	869.7104	875.1104	880.4110	885.7110
1050.0	812.9341	815.2554	818.7146	830.0625	841.1594	852.0188	862.6447	873.0659	878.4659	883.7660	889.0660
1060.0	815.9815	818.3139	821.8125	833.2188	844.3699	855.2810	865.9617	876.4250	881.7250	887.0260	892.3260
1070.0	819.0710	821.4175	824.9141	836.3784	847.5837	858.5466	869.2754	879.7881	885.0881	890.3890	895.6890
1080.0	822.1433	824.5036	828.0183	839.5815	850.8013	861.8157	872.5910	883.1555	888.4555	893.7560	899.0560
1090.0	825.2195	827.5928	831.1265	842.7078	854.0227	865.0879	875.9143	886.5271	891.8271	897.1280	902.4280
1100.0	828.2981	830.6841	834.2375	845.8782	857.2471	868.3652	879.2417	889.9038	895.2038	900.5040	905.8040
1110.0	831.3804	833.7794	837.3513	849.0508	860.4758	871.6460	882.5720	893.2842	898.5842	903.8850	909.1850
1120.0	834.4655	836.8745	840.4810	852.2888	863.7085	874.9307	885.8044	896.5044	901.8044	907.1050	912.4050
1130.0	837.5542	839.9807	843.5901	855.4094	866.8486	878.0219	889.2444	900.0810	905.3810	910.6810	915.9810
1140.0	840.6460	843.0862	846.7151	858.5940	870.1848	881.5122	892.8884	903.4575	908.7575	914.0575	919.3575
1150.0	843.7405	846.1943	849.8428	861.7822	873.4287	884.8091	896.2383	906.8562	912.1562	917.4562	922.7562
1160.0	846.8391	849.3074	852.9746	864.9746	876.6772	888.1106	899.5883	910.2849	915.5849	920.8849	926.1849
1170.0	849.9419	852.4224	856.1104	868.1704	879.9299	891.4460	902.6458	913.6770	918.9770	924.2770	929.5770
1180.0	853.0465	855.5420	859.2494	871.3711	883.1870	894.7288	906.0085	917.0085	922.3085	927.6085	932.9085
1190.0	856.1558	858.6641	862.3918	874.5752	886.4473	898.0415	909.3748	920.5188	925.8188	931.1188	936.4188
1200.0	859.2676	861.7905	865.5391	877.7834	889.7129	901.3611	912.7476	923.9885	929.2885	934.5885	939.8885
1210.0	862.3838	864.9209	868.6885	880.9961	892.9834	904.6858	916.1245	927.3845	932.6845	937.9845	943.2845
1220.0	865.5034	868.0549	871.8430	884.2134	896.2578	908.0146	919.5071	930.8276	936.1276	941.4276	946.7276
1230.0	868.6262	871.1924	875.0020	887.4346	899.5376	911.3496	922.8955	934.2769	939.5769	944.8769	950.1769
1240.0	871.7518	874.3339	878.1833	890.6599	902.8213	914.5940	926.2896	937.9299	943.2299	948.5299	953.8299
1250.0	874.8845	877.4792	881.3301	893.8904	906.1104	918.0332	929.6882	941.1968	946.4968	951.7968	957.0968
1260.0	878.0193	880.6292	884.5002	897.1252	909.4034	921.3835	933.0910	944.6870	949.9870	955.2870	960.5870
1270.0	881.1582	883.7827	887.6758	900.3645	912.7034	924.7335	936.5061	948.1550	953.4550	958.7550	964.0550

ENTHALPY

TEMPERATURE DEGREES K	5.0000 FUEL/AIR RATIO	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	884.3010	886.9409	890.8550	903.6046	916.0078	928.1001	939.9241	951.6306	961.7366
3290.0	887.4475	890.1023	894.0281	906.8574	919.3167	931.4673	943.3484	955.1248	965.4033
3300.0	890.5981	893.2688	897.2263	910.1118	922.6316	934.8403	946.7791	958.6562	969.0833
3310.0	893.7529	896.4397	900.4185	913.3708	925.9524	938.2195	950.2175	962.1375	972.7788
3320.0	896.9119	899.6150	903.6157	916.6348	929.2783	941.6042	953.6619	965.6367	976.8875
3330.0	900.0759	902.7935	906.8169	919.9045	932.6763	944.9961	957.1145	969.1855	980.2141
3340.0	903.2437	905.9768	910.0234	923.1790	935.9480	948.3938	960.5732	972.7224	983.9541
3350.0	906.4163	909.1660	913.2356	926.4595	939.2915	951.7976	964.0400	976.2700	987.7107
3360.0	909.5928	912.3591	916.5514	929.7461	942.6414	955.2097	967.5146	979.8276	991.6851
3370.0	912.7742	915.5571	919.7724	933.0374	945.9973	958.6277	970.9966	983.3958	995.2742
3380.0	915.9604	918.7603	922.8987	936.3347	949.3596	962.0532	974.5873	986.9731	999.0820
3390.0	919.1511	921.9675	926.1304	939.6377	952.7285	965.4851	977.9863	990.5623	1002.9058
3400.0	922.3467	925.1802	929.3669	942.9448	956.1047	968.9260	981.5944	994.1628	1006.7488
3410.0	925.5469	928.3982	932.6096	946.2620	959.4863	972.3730	985.0095	997.7744	1010.6091
3420.0	928.7527	931.6218	935.8577	950.5835	963.8760	976.8289	989.5354	1001.3977	1014.6888
3430.0	931.9634	934.8501	939.1099	954.9114	968.2729	980.7927	992.0701	1005.0342	1018.3882
3440.0	935.1790	938.0825	942.3689	958.2441	971.6765	983.7644	995.6147	1008.6826	1022.3082
3450.0	938.4004	941.3235	945.6333	959.5874	973.0881	985.2449	997.1682	1012.3445	1026.2437
3460.0	941.6260	944.5676	948.9038	962.9346	975.5068	987.7329	1002.7327	1016.0144	1030.2017
3470.0	944.8584	947.8174	952.1802	966.2896	979.9136	991.2307	1006.3071	1019.7078	1034.1797
3480.0	948.0950	951.0745	955.4631	969.6509	983.3687	994.7371	1009.8923	1023.4106	1038.1799
3490.0	951.3379	954.3359	958.7522	973.6203	986.8113	1000.2534	1013.8893	1027.1287	1042.2009
3500.0	954.5869	957.6047	962.0471	977.3965	990.2629	1003.7791	1017.9969	1030.8613	1046.2439
3510.0	957.8423	960.8789	965.3486	979.7808	993.7227	1007.3147	1020.7163	1034.6099	1050.3088
3520.0	961.1013	964.1584	968.6572	988.1716	997.1902	1010.8594	1024.3464	1038.3735	1054.3985
3530.0	964.3682	967.4458	971.9732	989.5713	1000.6687	1014.4150	1027.9902	1042.1545	1058.5078
3540.0	967.6411	970.7390	975.2937	994.9780	1008.1550	1017.9807	1031.4555	1055.9516	1062.6616
3550.0	970.9197	974.0383	978.6216	997.3978	1007.6509	1021.5583	1035.3140	1049.7666	1066.8000
3560.0	974.2049	977.3447	981.9573	999.8171	1011.1585	1025.1450	1038.8956	1053.5996	1070.9819
3570.0	977.4941	980.6480	985.3008	1002.2498	1014.6716	1028.7444	1042.6912	1057.4509	1075.1885
3580.0	980.7942	983.9778	989.6511	1005.6904	1018.1965	1032.3555	1046.4006	1061.3213	1079.4199
3590.0	984.0994	987.3052	992.0088	1009.1401	1021.7319	1035.9778	1050.1243	1065.2102	1083.6775
3600.0	987.4106	990.6396	995.3735	1011.5889	1025.2778	1039.6125	1053.1625	1069.1196	1087.9802
3610.0	990.7302	993.9817	998.7480	1014.0674	1028.8347	1043.2603	1057.6162	1073.0500	1092.2703
3620.0	994.0554	997.3298	1002.1282	1017.5819	1032.4019	1046.9197	1061.3843	1077.0007	1096.6062
3630.0	997.3892	1000.6868	1005.5183	1021.0320	1035.9807	1050.5925	1065.1694	1080.9727	1100.9700
3640.0	1000.7288	1004.0515	1008.9153	1024.5278	1039.5703	1054.2788	1068.9705	1084.9675	1105.3608
3650.0	1004.0774	1007.4236	1012.3223	1028.0352	1043.1726	1057.9795	1072.7886	1088.9851	1109.7800
3660.0	1007.4321	1010.8040	1015.7361	1031.5522	1046.7866	1061.6936	1076.6230	1093.0261	1114.2271
3670.0	1010.7969	1014.1924	1019.1589	1035.0806	1050.4124	1065.4224	1080.4756	1097.0908	1118.7043
3680.0	1014.1647	1017.5891	1022.5918	1039.6149	1054.0510	1069.1653	1084.3667	1101.1752	1123.2092
3690.0	1017.5474	1020.9944	1026.0327	1044.1482	1057.7021	1072.9238	1088.2356	1105.2930	1127.7446
3700.0	1020.9334	1024.4082	1029.4839	1048.7285	1061.3674	1074.4985	1092.1433	1109.4333	1132.3108
3710.0	1024.3301	1027.8308	1032.9441	1053.3000	1065.0447	1080.4880	1096.0713	1113.5996	1136.9070
3720.0	1027.7354	1031.2637	1036.4143	1058.8835	1068.7368	1084.2944	1100.0188	1117.7938	1141.5352
3730.0	1031.1470	1034.7039	1039.8933	1064.4790	1072.4414	1088.1169	1103.9868	1122.0132	1146.1936
3740.0	1034.5491	1038.1548	1043.3826	1069.0847	1076.1624	1091.9568	1107.9768	1126.2620	1150.8855
3750.0	1038.0007	1041.6145	1046.8833	1073.7045	1079.8967	1095.8149	1111.9873	1130.5408	1155.6089
3760.0	1041.4407	1045.0840	1050.3931	1078.3384	1083.6465	1099.6897	1116.0195	1134.8474	1160.3657
3770.0	1044.8904	1048.5642	1053.9146	1079.9844	1087.4114	1103.5835	1120.0750	1139.1846	1165.1553
3780.0	1048.3494	1052.0532	1057.4465	1079.6426	1091.1921	1107.4499	1124.1528	1143.5532	1169.9790
3790.0	1051.8176	1055.5527	1060.9890	1079.3149	1094.9885	1111.4270	1128.9549	1147.9571	1174.8376
3800.0	1055.2974	1059.0642	1064.5432	1083.0010	1098.8025	1115.3782	1132.3818	1152.1857	1179.7314
3810.0	1058.7864	1062.5845	1068.1091	1087.7019	1102.6326	1119.3491	1136.5330	1156.8513	1184.6599

PRESSURE = TEMPERATURE DEGREES R	S.0000 / FUEL/AIR RATIO	ENTHALPY									
		0.020	0.030	0.040	0.050	0.060	0.067				
3820.0	1062.2854	1089.4150	1106.4790	1123.3408	1140.7097	1161.3489	1189.6233				
3830.0	1065.7949	1093.1443	1110.3438	1127.3533	1144.9116	1165.6816	1194.6243				
3840.0	1069.3163	1096.8875	1114.2253	1131.3870	1149.1484	1170.4490	1199.5502				
3850.0	1072.8462	1100.6470	1118.1262	1135.4434	1153.3972	1175.0518	1204.7358				
3860.0	1076.3842	1104.4216	1122.0459	1139.5222	1157.6804	1179.6914	1209.8474				
3870.0	1079.9417	1108.2117	1125.9846	1143.6230	1161.9932	1184.3672	1214.9963				
3880.0	1083.5061	1112.0186	1129.9412	1147.7483	1166.3345	1189.0866	1220.1848				
3890.0	1087.0845	1115.8420	1133.9197	1151.8975	1170.7081	1193.8333	1225.4146				
3900.0	1090.6721	1119.6826	1137.9177	1156.0703	1175.1072	1198.6238	1230.6812				
3910.0	1094.2734	1123.5396	1141.9365	1160.2693	1179.5400	1203.4539	1235.9883				
3920.0	1097.8857	1127.4146	1145.9761	1164.4927	1184.0034	1208.3247	1241.3364				
3930.0	1101.5120	1131.3076	1150.0376	1168.7429	1188.4998	1213.2358	1246.7256				
3940.0	1105.1504	1135.2188	1154.1221	1173.0200	1193.0291	1218.1892	1252.1558				
3950.0	1108.8018	1139.1482	1158.2273	1177.3242	1197.5919	1223.1838	1257.6274				
3960.0	1112.4673	1143.0981	1162.3569	1181.6567	1202.1852	1228.2217	1263.1626				
3970.0	1116.1460	1147.0652	1166.5100	1186.0171	1206.8218	1233.3040	1268.7012				
3980.0	1119.8374	1151.0540	1170.6865	1190.4063	1211.4493	1238.4299	1274.3025				
3990.0	1123.5430	1155.0618	1174.8879	1194.8254	1216.1936	1243.6013	1279.9473				
4000.0	1127.2649	1159.0916	1179.1143	1199.2749	1220.9348	1248.8169	1285.8375				

ENTHALPY

TEMPERATURE = DEGREES R	6.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	725.1975	734.7991	744.2141	753.4480	762.5066	771.2938	777.5159
2750.0	723.2593	725.2249	728.1597	728.1597	737.8167	747.2259	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	731.1223	740.8347	750.3584	759.6990	768.8523	777.8521	784.0647
2770.0	729.1292	731.1172	734.0859	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	737.0503	746.8738	756.5066	765.9541	775.2222	784.3159	790.5784
2790.0	735.0032	737.0142	740.0164	740.0164	749.8955	759.5830	768.9840	778.0048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	742.9834	752.9182	762.6602	772.2146	781.6879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	745.9509	755.9417	765.7383	775.3467	784.7122	794.0158	800.3899
2820.0	743.8218	745.8665	748.9199	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6828
2830.0	746.7634	748.8196	751.8892	751.8892	761.9922	771.8944	781.6140	791.1453	800.6975	806.9375
2840.0	749.7061	751.7737	754.8608	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	763.7800	774.1064	784.2324	794.1636	803.9094	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4334	766.5586	769.7310	769.7310	780.1699	790.4060	800.4456	810.2942	819.9505	826.6123
2900.0	767.3823	769.5186	772.7080	772.7080	783.2034	793.4949	803.5881	813.4900	823.2033	829.8962
2910.0	770.3320	772.4795	775.6865	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2402	778.4097	781.6511	781.6511	792.3157	802.7727	813.0286	823.0901	832.9602	839.7600
2940.0	779.2723	781.4544	784.7136	784.7136	795.4343	805.9436	816.2505	826.3596	836.2737	843.1189
2950.0	782.3079	784.5022	787.7786	787.7786	798.5557	809.1184	819.4749	829.6313	839.5913	846.4819
2960.0	785.3459	787.5527	790.8462	790.8462	801.6799	812.2957	822.7026	832.9067	842.9119	849.8484
2970.0	788.3860	790.6052	793.9170	793.9170	804.8066	815.4758	825.9331	836.1851	846.2354	853.2207
2980.0	791.4299	793.6611	796.9905	796.9905	807.9368	818.6587	829.1667	839.6663	849.5620	856.5979
2990.0	794.4756	796.7192	800.0669	800.0669	811.0693	821.8447	832.4031	842.7507	852.8916	859.9797
3000.0	797.5239	799.7800	803.1453	803.1453	814.2043	825.0334	835.6426	846.0378	856.2246	863.3657
3010.0	800.5752	802.8435	806.2275	806.2275	817.3433	828.2256	838.8853	849.3284	859.5613	866.7588
3020.0	803.6299	805.9102	809.3125	809.3125	820.4851	831.4214	842.1309	852.6223	862.9016	870.1565
3030.0	806.6865	808.9802	812.3999	812.3999	823.6304	834.6196	845.3804	855.9197	866.2454	873.5601
3040.0	809.7463	812.0522	815.4902	815.4902	826.7781	837.8208	848.6323	859.2200	869.5916	876.9688
3050.0	812.8091	815.1279	818.5845	818.5845	829.9294	841.0261	851.8884	862.5242	872.9434	880.3845
3060.0	815.8768	818.2063	821.6809	821.6809	833.0835	844.2339	855.1482	865.8315	876.2986	883.8062
3070.0	818.9429	821.2874	824.7813	824.7813	836.2410	847.4458	858.4106	869.1431	879.6570	887.2346
3080.0	822.0142	824.3721	827.8833	827.8833	839.4019	850.6606	861.6765	872.4580	883.0205	890.6702
3090.0	825.0889	827.4592	830.9890	830.9890	842.5662	853.8796	864.9465	875.7764	886.3875	894.1118
3100.0	828.1658	830.5493	834.0949	834.0949	845.7336	857.1014	868.2202	879.0991	889.7596	897.5618
3110.0	831.2471	833.6431	837.2109	837.2109	848.9053	860.3271	871.4976	882.4255	893.1343	901.0190
3120.0	834.3306	836.7400	840.3269	840.3269	852.0798	863.5569	874.7788	885.7561	896.5159	904.4851
3130.0	837.4170	839.8398	843.4458	843.4458	855.2578	866.7900	877.9640	888.9008	899.9014	907.9578
3140.0	840.5064	842.9424	846.5688	846.5688	858.4402	869.9273	881.3528	892.4297	903.2913	911.4387
3150.0	843.5994	846.0491	849.6934	849.6934	861.6252	873.2676	884.6460	895.7722	906.6851	914.9290
3160.0	846.6963	849.1597	852.8237	852.8237	864.8142	876.5125	887.9436	899.1204	910.0864	918.4280
3170.0	849.7959	852.2727	855.9561	855.9561	868.0076	879.7615	891.2446	902.4722	913.4915	921.9360
3180.0	852.8999	855.3901	859.0933	859.0933	871.2551	883.0166	894.5508	905.8296	916.9026	925.4351
3190.0	855.0056	857.5105	861.2324	861.2324	873.4054	885.2715	897.8616	909.1902	920.3184	928.9824
3200.0	858.1165	861.6335	865.3762	865.3762	877.6106	889.5332	901.1763	912.5571	923.7410	932.5203
3210.0	861.2300	864.7617	868.5239	868.5239	880.4191	892.7988	904.4951	915.9282	927.1687	936.0684
3220.0	864.3474	867.8931	871.6758	871.6758	883.6327	896.0686	907.8193	919.3054	930.6025	939.6267
3230.0	867.4675	871.0241	874.8306	874.8306	886.8248	899.3438	911.1482	922.6868	934.0435	943.1973
3240.0	870.5914	874.1665	877.9890	877.9890	890.0712	902.6230	914.4819	926.0740	937.4897	946.7783
3250.0	873.7195	877.3083	881.1521	881.1521	893.6968	906.9063	918.8210	929.4656	940.9436	950.3728
3260.0	876.8511	880.4558	884.3196	884.3196	896.9275	909.1951	921.1646	932.8643	944.4036	953.9768
3270.0	880.9875	884.6055	888.4907	888.4907	900.1628	912.4893	924.5144	936.2883	947.8716	957.5945

ENTHALPY										
PRESSURE = TEMPERATURE DEGREES F	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
1200.0	86.1274	886.7403	890.6663	903.4023	903.4023	915.7874	927.8689	939.6782	951.3559	961.2241
1250.0	87.2694	889.9185	893.8450	906.6455	906.6455	919.0906	931.2280	943.0938	954.8279	964.8669
1300.0	80.2175	893.2406	897.0791	909.8945	909.8945	922.3997	934.5982	946.5164	958.3179	968.5236
1310.0	83.5666	896.2471	900.2178	913.1487	913.1487	925.7151	937.9658	949.9448	961.8162	972.1943
1320.0	84.7241	899.4182	903.6102	916.4075	916.4075	929.0312	941.3428	953.3801	965.3218	975.8787
1330.0	86.8831	902.5942	906.6069	919.6714	919.6714	932.3582	944.7266	956.8220	968.8367	979.5767
1340.0	90.7729	905.7729	909.8088	922.9399	922.9399	935.6885	948.1155	960.2705	972.3594	983.2913
1350.0	91.2154	908.9563	913.0151	926.2136	926.2136	939.0244	951.5107	963.7263	975.8921	987.0198
1400.0	97.1458	916.2268	920.2688	933.4939	933.4939	946.2672	958.9136	971.1897	983.6363	995.7642
1450.0	98.5366	919.4424	923.4783	936.7783	936.7783	949.5141	962.3218	974.6602	986.9844	999.5237
1500.0	99.9329	922.6626	926.6984	939.9684	939.9684	952.6287	965.1357	977.1387	989.5457	1002.3005
1550.0	101.3233	925.8884	929.9189	943.2645	943.2645	955.7954	968.5891	981.1189	993.6978	1006.9028
1600.0	102.7186	929.1189	933.3550	946.6660	946.6660	959.1680	972.0249	984.6208	997.2900	1009.7288
1650.0	105.5186	932.3755	936.5962	949.2866	949.2866	962.5483	975.1979	988.1326	1000.8933	1013.5745
1700.0	106.9236	935.5977	939.8425	952.6062	952.6062	965.9146	978.9201	991.6523	1004.5081	1017.4378
1750.0	108.3331	938.8254	943.0952	955.9319	955.9319	969.3281	982.3799	995.1809	1008.1350	1021.3188
1800.0	109.7479	942.0579	946.3523	958.2634	958.2634	972.7288	985.8466	998.7188	1011.7732	1025.2183
1850.0	111.1684	945.2952	949.6150	961.6018	961.6018	975.1362	988.3223	1002.2859	1015.8241	1029.1372
1900.0	112.5933	948.5393	952.8938	964.9468	964.9468	979.5515	992.8052	1005.8235	1019.0876	1033.0752
1950.0	114.0215	951.7886	956.1587	969.2983	969.2983	982.9739	996.3374	1010.3899	1022.7646	1037.0362
2000.0	115.4538	955.0437	959.4387	972.6567	972.6567	986.2038	999.7983	1012.9675	1026.4558	1041.0132
2050.0	116.8904	958.3010	962.7256	976.0222	976.0222	989.8423	1003.3083	1016.5559	1030.1611	1045.0127
2100.0	118.3319	961.5691	966.0334	979.3953	979.3953	993.2883	1006.8271	1020.1545	1033.8804	1049.0334
2150.0	119.7784	964.8406	969.3522	982.7747	982.7747	996.7424	1010.3550	1023.7632	1037.6138	1053.0767
2200.0	121.2299	968.1194	972.6728	986.1626	986.1626	1000.2061	1013.8933	1027.3850	1041.3638	1057.1387
2250.0	122.6864	971.4011	976.0011	989.5571	989.5571	1003.8770	1017.4030	1031.0181	1045.1284	1061.2251
2300.0	124.1479	974.6691	979.3231	992.9590	992.9590	1007.1570	1020.9999	1034.6633	1048.9097	1065.3328
2350.0	125.6144	977.9384	982.6577	996.3699	996.3699	1010.6655	1024.5667	1038.3198	1052.7075	1069.4668
2400.0	127.0869	981.2079	985.9899	999.7876	999.7876	1014.1450	1028.1358	1041.9897	1056.5222	1073.6189
2450.0	128.5644	984.4804	989.3231	1003.2148	1003.2148	1017.6526	1031.7335	1045.6726	1060.3565	1077.7983
2500.0	130.0469	987.7599	992.6192	1006.6497	1006.6497	1021.1704	1035.3357	1049.3684	1064.2046	1082.0002
2550.0	131.5344	991.0004	995.9685	1010.0925	1010.0925	1024.6973	1038.9475	1053.0781	1068.0735	1086.2271
2600.0	133.0269	994.2532	999.3091	1013.5449	1013.5449	1028.2351	1042.5718	1056.8025	1071.9819	1090.4797
2650.0	134.5244	997.5069	1002.5770	1017.0061	1017.0061	1031.7817	1046.2075	1060.5403	1075.8887	1094.7571
2700.0	136.0269	1000.7599	1005.8335	1020.4761	1020.4761	1035.3396	1049.8554	1064.2935	1079.7961	1099.0610
2750.0	137.5344	1004.0129	1009.8433	1023.9548	1023.9548	1038.9082	1053.5151	1068.0808	1083.7441	1103.3904
2800.0	139.0469	1007.2659	1013.3409	1027.4446	1027.4446	1042.4883	1057.1801	1071.8452	1087.7141	1107.7463
2850.0	140.5644	1010.5194	1016.5959	1030.9421	1030.9421	1046.0418	1060.8475	1075.6467	1091.7048	1112.1296
2900.0	142.0869	1013.7729	1019.8489	1034.4514	1034.4514	1049.6819	1064.5750	1079.4617	1095.7185	1116.5405
2950.0	143.6094	1017.0269	1023.1019	1037.9688	1037.9688	1053.2954	1068.2881	1083.2942	1099.7542	1120.9785
3000.0	145.1319	1020.2804	1026.3549	1041.4978	1041.4978	1056.9216	1072.0159	1087.1438	1103.8125	1125.4466
3050.0	146.6544	1023.5344	1029.6089	1045.0364	1045.0364	1060.5598	1075.7583	1091.0117	1107.8962	1129.9407
3100.0	148.1769	1026.7879	1032.8619	1048.5862	1048.5862	1064.2104	1079.5144	1094.8975	1112.0037	1134.4639
3150.0	149.7004	1030.0409	1036.1159	1052.1472	1052.1472	1067.8718	1083.2717	1098.8015	1116.1372	1139.0183
3200.0	151.2229	1033.2944	1039.3689	1055.7183	1055.7183	1071.3513	1087.0742	1102.7244	1120.2949	1143.6021
3250.0	152.7454	1036.5479	1042.6219	1059.3022	1059.3022	1074.9419	1090.8777	1106.6880	1124.4797	1148.2163
3300.0	154.2679	1039.7994	1045.8749	1062.8965	1062.8965	1078.9460	1094.6975	1110.6309	1128.6919	1152.8621
3350.0	155.7904	1043.0529	1049.1279	1066.5037	1066.5037	1082.6638	1098.5189	1114.6138	1132.9302	1157.5376
3400.0	157.3129	1046.3054	1052.3804	1070.1216	1070.1216	1086.3953	1102.3865	1118.6182	1137.1975	1162.2451
3450.0	158.8354	1049.5579	1055.6329	1073.7155	1073.7155	1090.1277	1106.1571	1122.6633	1141.4932	1166.9869
3500.0	160.3579	1052.8104	1058.8854	1077.3095	1077.3095	1093.9038	1109.9333	1126.6912	1145.8193	1171.7581
3550.0	161.8804	1056.0629	1062.1379	1080.9035	1080.9035	1097.6816	1113.7144	1131.7615	1150.1750	1176.5552
3600.0	163.4029	1059.3154	1065.3904	1084.4971	1084.4971	1101.4741	1117.4978	1136.6555	1154.5615	1181.4045

PRESSURE = 6.0000		ENTHALPY									
TEMPERATURE /	FUEL/AIR RATIO										
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
3820.0	1061.5737	1065.3577	1070.8635	1088.4058	1105.2827	1121.9219	1138.9714	1158.9785	1186.2766		
3830.0	1065.0420	1068.8777	1074.4275	1092.1028	1109.1074	1125.8882	1143.1121	1163.4277	1191.1841		
3840.0	1068.5591	1072.4082	1078.0032	1095.8127	1112.3480	1128.8694	1147.2776	1167.9092	1196.1255		
3850.0	1072.0674	1075.9497	1081.5901	1099.5381	1116.8069	1133.8768	1151.4690	1172.4253	1201.1050		
3860.0	1075.5869	1079.5020	1085.1892	1103.2771	1120.4829	1137.8994	1155.6853	1176.9744	1206.1172		
3870.0	1079.1162	1083.0452	1088.8000	1107.0313	1124.5767	1141.5213	1159.9280	1181.5574	1211.1605		
3880.0	1082.6558	1086.6409	1092.4229	1110.8005	1128.6888	1146.0137	1164.1988	1186.1760	1216.2522		
3890.0	1086.2073	1090.2268	1096.0586	1114.5850	1132.4185	1150.1045	1168.4956	1190.8311	1221.3767		
3900.0	1089.7690	1093.8250	1099.7075	1118.5857	1136.3672	1154.2178	1172.8210	1195.5217	1226.5386		
3910.0	1093.3425	1097.4353	1103.3691	1122.2019	1140.3354	1158.3500	1177.1750	1200.2493	1231.7351		
3920.0	1096.9272	1101.0583	1107.0632	1126.0342	1144.3232	1162.5126	1181.5593	1205.0156	1236.9719		
3930.0	1100.5234	1104.6934	1110.7314	1129.8848	1148.3318	1166.6987	1185.9731	1209.8701	1242.2490		
3940.0	1104.1324	1108.3411	1114.4338	1133.7510	1152.3604	1170.9080	1190.4177	1214.6633	1247.5645		
3950.0	1107.7534	1112.0024	1118.1504	1137.6348	1156.4097	1175.1421	1194.8926	1219.5452	1252.9182		
3960.0	1111.3867	1115.6768	1121.8799	1141.5369	1160.4810	1179.4036	1199.4004	1224.4692	1258.3147		
3970.0	1115.0342	1119.3647	1125.6260	1145.4568	1164.5737	1183.6897	1203.9407	1229.4338	1263.7515		
3980.0	1118.6921	1123.0652	1129.3850	1149.3943	1168.6887	1188.0032	1208.5137	1234.4390	1269.2283		
3990.0	1122.3633	1126.7988	1133.1604	1153.3508	1172.8269	1192.3445	1213.1201	1239.4871	1274.7478		
4000.0	1126.0496	1130.5098	1136.9502	1157.3271	1176.9873	1196.7129	1217.7622	1244.5784	1280.3096		

ENTHALPY

TEMPERATURE = DEGREES R	7.0000 FUEL/AIR RATIO	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7691	744.2141	753.4480	762.5046	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6861	774.6226	780.7794
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0467
2770.0	729.1292	731.1172	734.0859	743.8338	753.4319	762.8259	772.0417	781.0630	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5044	765.9541	775.2222	784.3149	790.5764
2790.0	735.0032	737.0142	740.0144	749.8495	759.5830	769.0860	778.4589	787.5484	793.8479
2800.0	737.9419	739.9639	742.9148	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8214	745.8665	748.9109	758.9663	768.7174	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8194	751.8809	761.9422	771.8984	781.6150	791.1453	800.5961	806.9375
2840.0	749.7061	751.7737	754.8408	764.9190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8130	767.9071	777.9832	787.8855	797.5234	806.9778	813.4905
2860.0	755.5940	757.6844	760.7809	770.8762	780.9432	791.0244	800.7144	810.2205	816.7650
2870.0	758.5394	760.6414	763.7546	773.8534	783.9324	794.0244	803.9063	813.6444	820.0488
2880.0	761.4861	763.5994	766.7230	776.8135	786.8844	797.0355	807.0994	816.7097	823.3256
2890.0	764.4334	766.5586	769.6930	779.7640	789.8244	800.0456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.6630	782.7244	792.7844	803.0481	813.4900	823.2043	829.9982
2910.0	770.3320	772.4795	775.6365	785.7044	795.7644	806.0322	816.6870	826.4536	833.1814
2920.0	773.2823	775.4412	778.6053	788.6732	798.7344	809.0770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.5755	791.6411	801.7044	812.0237	822.8452	832.9561	839.7556
2940.0	779.1865	781.3687	784.5428	794.6149	804.6844	815.3770	826.2561	836.2092	843.0452
2950.0	782.1400	784.4028	787.6794	797.7549	807.8328	818.5344	829.5151	839.5151	846.3936
2960.0	785.0963	787.4524	790.7461	801.5793	812.1942	822.6034	832.8196	842.8340	849.7571
2970.0	788.0541	790.5044	793.8149	804.7051	815.3770	825.8344	836.0957	846.1555	853.1250
2980.0	791.0129	793.5544	796.8649	807.8340	818.5344	828.8844	839.3757	849.4795	856.4971
2990.0	793.9714	796.6147	799.9636	810.9458	821.7429	832.3057	842.6587	852.8081	859.8760
3000.0	796.9314	799.6745	803.0417	814.0991	824.9307	835.5435	845.8949	856.1344	863.2559
3010.0	799.8924	802.7397	806.1228	817.2373	828.1211	838.7839	849.2324	859.4727	866.6423
3020.0	802.8556	805.8054	809.2061	820.3777	831.3149	842.0293	852.5242	862.9103	870.0364
3030.0	805.8215	808.8735	812.2927	823.5117	834.5117	845.2761	855.6194	866.1511	873.4331
3040.0	808.7894	811.9453	815.3821	826.6680	837.7114	848.5261	859.1169	869.4949	876.8357
3050.0	811.7524	815.0195	818.4753	829.8174	840.9150	851.7808	862.4194	872.8440	880.2456
3060.0	814.7124	818.0849	821.5703	832.9702	844.1211	855.0376	865.7249	876.1958	883.6609
3070.0	817.6745	821.1772	824.6689	836.1262	847.3311	858.2976	869.0327	879.5510	887.0818
3080.0	820.6375	824.2600	827.7700	839.2849	850.5442	861.5623	872.3455	882.9106	890.5075
3090.0	823.5994	827.3427	830.8752	842.4478	853.7805	864.8206	875.6614	886.2744	893.9438
3100.0	826.5632	830.4346	833.9827	845.6133	856.9802	868.1008	878.9810	889.6426	897.3857
3110.0	829.5271	833.4971	837.0935	848.8825	860.2039	871.3750	882.3042	893.0139	900.8380
3120.0	832.4915	836.5226	840.2073	851.9553	863.4314	874.6538	885.6319	896.3906	904.2905
3130.0	835.4554	839.6207	843.3250	855.1311	866.6614	877.9360	888.9629	899.7712	907.7562
3140.0	838.4192	842.7230	846.4456	858.3113	869.8462	881.2219	892.2984	903.1570	911.2261
3150.0	841.3832	845.8200	849.5693	861.4941	873.1360	884.5115	895.6375	906.5671	914.7053
3160.0	844.3471	848.9264	852.6970	864.6814	876.3760	887.8052	898.9814	909.9424	918.1814
3170.0	847.3114	851.9284	855.7284	867.4718	879.2223	891.0042	902.3298	913.3425	921.6907
3180.0	850.2754	854.9284	858.7684	870.5467	882.4728	894.4067	905.6826	916.7876	925.1975
3190.0	853.2394	857.9424	861.8204	873.6439	885.6265	897.7129	909.0398	920.1577	928.7122
3200.0	856.2034	860.9477	864.8644	876.6663	888.7844	901.0244	912.4016	923.5737	932.2371
3210.0	859.1674	863.9527	867.9044	879.6667	891.9394	904.1360	915.7683	926.9956	935.7717
3220.0	862.1314	866.9577	871.0044	882.7844	895.1311	907.6599	919.1399	930.4233	939.3169
3230.0	865.0954	870.0044	874.1467	886.0044	898.5151	910.9846	922.5164	933.8567	942.8728
3240.0	868.0594	873.0467	877.2844	889.1311	902.5595	915.3135	927.8879	939.2541	948.7332
3250.0	871.0234	876.1467	880.4467	892.5595	905.7395	918.7355	930.2847	941.7419	950.8161
3260.0	874.0874	879.2667	883.6267	895.8044	909.0242	922.0871	933.6772	944.1936	953.6085
3270.0	877.0514	882.2844	886.7044	898.8844	912.3135	924.3313	936.0752	947.4533	957.2056

ENTHALPY

TEMPERATURE DEGREES R	7.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.9814	886.6104	890.5107	893.2317	903.2317	915.6072	927.6802	939.4790	951.1187	960.8181
3290.0	887.1221	889.7654	893.5868	896.4722	906.4722	918.9058	931.0347	942.8877	954.5923	964.3424
3300.0	890.2668	892.9248	896.7674	900.6414	910.6414	922.2097	934.3943	946.0718	958.0718	968.0718
3310.0	893.4154	896.0844	900.0522	903.2412	912.9456	925.5193	937.7605	949.7246	961.5608	971.7317
3320.0	896.5684	899.2563	903.2412	906.6348	916.2202	928.8333	941.1311	953.1523	965.0559	975.3948
3330.0	899.7241	902.4277	906.6348	910.4795	920.0622	932.1528	944.5083	956.5862	968.5601	979.0728
3340.0	902.8853	905.6042	909.6323	912.7437	922.7437	935.4775	947.8901	960.0284	972.0713	982.7646
3350.0	906.0496	908.7849	912.8345	926.0125	936.0125	948.8076	961.2786	973.4736	985.5916	996.4714
3360.0	909.2195	911.9697	916.0415	929.2811	939.2811	952.1440	964.6746	976.9290	989.1928	1000.9287
3370.0	912.3923	915.1589	919.2512	932.5667	942.5667	955.4854	967.9747	980.3899	992.6587	1004.9287
3380.0	915.5706	918.3525	922.4697	935.8508	945.8508	958.8323	971.2829	983.8582	996.2083	1008.4473
3390.0	918.7427	921.5508	925.6907	939.1414	949.1414	962.1860	974.7362	987.3342	999.7629	1011.9473
3400.0	921.9185	924.7539	928.9170	942.4365	952.4365	965.5452	978.1171	990.8184	1003.3308	1015.8312
3410.0	925.1299	927.9614	932.1477	945.7375	955.7375	968.9106	981.7446	994.3093	1006.9070	1019.0305
3420.0	928.3262	931.1741	935.3840	949.0447	959.0447	972.2832	985.1797	997.8096	1010.4946	1022.8484
3430.0	931.5266	934.3911	938.6255	952.3577	962.3577	975.6614	988.6218	1001.3176	1013.9928	1026.5824
3440.0	934.7319	937.6145	941.8716	955.6768	965.6768	979.0464	992.0713	1004.8340	1017.7019	1030.5362
3450.0	937.9417	940.8416	945.1235	959.0017	969.0017	982.4387	995.5281	1008.3594	1021.3220	1034.4036
3460.0	941.1570	944.0740	948.3806	962.3323	972.3323	985.8372	998.9522	1011.8333	1024.6543	1037.8915
3470.0	944.3774	947.3123	951.6436	965.6702	975.6702	989.2432	1002.4644	1015.4365	1028.3003	1041.1980
3480.0	947.6023	950.5554	954.9111	969.0129	979.0129	992.6560	1005.9451	1019.0893	1032.2556	1045.1235
3490.0	950.8328	953.8040	958.1863	972.3638	982.3638	996.0629	1009.4338	1022.5322	1035.4255	1048.6691
3500.0	954.0688	957.0546	961.4658	975.7207	985.7207	999.5044	1012.9316	1026.1248	1039.1084	1052.0330
3510.0	957.3091	960.3169	964.7507	979.0837	989.0837	992.9397	1006.4377	1019.7078	1032.3052	1045.0178
3520.0	960.5554	963.5830	968.0432	982.4546	992.4546	996.3831	1009.9521	1023.3003	1036.0149	1048.6234
3530.0	963.8074	966.8454	971.3413	985.8325	995.8325	999.8347	1013.4768	1026.7400	1039.4128	1052.0694
3540.0	967.0654	970.1306	974.6444	989.2178	999.2178	1003.2942	1017.0098	1030.5193	1043.4797	1056.0967
3550.0	970.3284	973.4141	977.9551	992.6096	1002.6096	1006.7620	1020.5532	1034.1455	1047.2341	1060.1660
3560.0	973.5977	976.7031	981.2727	996.0085	1006.0085	1010.385	1024.1057	1037.7322	1051.0042	1064.2568
3570.0	976.8726	979.9980	984.5950	999.4172	1009.4172	1013.7236	1027.4680	1041.4329	1055.7908	1069.3694
3580.0	980.1541	983.3005	987.9260	1002.8325	1012.8325	1017.2178	1031.4217	1045.0955	1059.5935	1074.3051
3590.0	983.4407	986.6084	991.2620	1006.2561	1016.2561	1020.7209	1034.8245	1048.7693	1063.4128	1080.6641
3600.0	986.7351	989.9226	994.7012	1009.6873	1019.6873	1024.2334	1038.6194	1052.4565	1067.2502	1084.4551
3610.0	990.0347	993.2439	997.9573	1013.1267	1023.1267	1027.7556	1042.0249	1056.1572	1070.1062	1090.9530
3620.0	993.3403	996.5713	1001.3152	1016.5745	1026.5745	1031.2874	1045.9404	1059.8718	1074.9790	1093.2839
3630.0	996.6524	999.9045	1004.6807	1020.0313	1030.0313	1034.8293	1049.2693	1063.5999	1078.8711	1097.5386
3640.0	999.9724	1003.2476	1008.0532	1023.4968	1033.4968	1038.3809	1052.9089	1067.3420	1082.7822	1101.8188
3650.0	1003.2988	1006.5979	1011.4336	1026.9719	1036.9719	1041.9431	1056.5613	1071.0891	1086.7146	1106.1244
3660.0	1006.6311	1009.9531	1014.8223	1030.4346	1040.4346	1045.5164	1060.2256	1074.8713	1090.6660	1110.8556
3670.0	1009.9724	1013.3169	1018.2180	1033.9482	1043.9482	1049.1003	1063.9026	1078.6592	1094.6349	1114.8145
3680.0	1013.3191	1016.6877	1021.6213	1037.4507	1047.4507	1052.6946	1067.5930	1082.4619	1098.6328	1119.1980
3690.0	1016.6731	1020.0671	1025.0337	1040.9626	1050.9626	1056.3013	1071.2957	1086.2810	1102.5482	1123.6086
3700.0	1020.0359	1023.4536	1028.4548	1044.4856	1054.4856	1059.9194	1075.0129	1090.1179	1106.6875	1128.8488
3710.0	1023.4044	1026.8477	1031.8835	1048.0176	1058.0176	1063.5488	1078.7439	1093.9702	1110.7490	1132.5146
3720.0	1026.7827	1030.2500	1035.3215	1051.5605	1061.5605	1067.1907	1082.4897	1097.8411	1114.8325	1137.0095
3730.0	1030.1670	1033.6604	1038.7671	1055.1130	1065.1130	1070.8442	1086.2485	1101.7290	1118.9436	1141.5327
3740.0	1033.5605	1037.0803	1042.2231	1058.6777	1068.6777	1074.5117	1090.0242	1105.6355	1123.0776	1146.8852
3750.0	1036.9614	1040.5085	1045.6882	1062.2529	1072.2529	1078.1917	1093.9140	1109.5810	1127.2375	1150.8680
3760.0	1040.3704	1043.9443	1049.1619	1065.8391	1075.8391	1081.8840	1097.6191	1113.5056	1131.4221	1155.2793
3770.0	1043.7878	1047.3894	1052.6450	1069.4360	1079.4360	1085.5906	1101.5409	1117.4700	1135.6343	1159.9211
3780.0	1047.2161	1050.8438	1056.1382	1073.0661	1083.0661	1089.3103	1105.2788	1121.4576	1138.8726	1164.9960
3790.0	1050.6494	1054.3071	1059.6411	1076.6672	1086.6672	1093.0447	1109.1335	1125.4595	1144.1401	1169.2988
3800.0	1054.0920	1057.7805	1063.1538	1080.3005	1090.3005	1096.7937	1113.0071	1129.4849	1148.4358	1174.0347
3810.0	1057.5459	1061.2627	1066.6772	1083.9470	1093.9470	1100.5579	1116.8960	1133.5339	1152.7595	1178.4025

PRESSURE = TEMPERATURE / DEGREES F	7.0000 FUEL/AIR RATIO	ENTHALPY									
		0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090
3420.0	1061.0073	1064.7549	1070.2112	1087.5045	1104.3354	1120.8025	1137.6033	1157.1125	1183.6021	1218.1884	1263.2276
3430.0	1064.4740	1068.2563	1073.7549	1091.2769	1108.1294	1124.7285	1141.6958	1161.4968	1188.6355	1223.3350	1268.4829
3440.0	1067.9492	1071.7686	1077.3091	1094.9607	1111.9385	1128.7726	1145.8115	1165.9102	1193.3017	1228.6699	1274.0091
3450.0	1071.4487	1075.2903	1080.8760	1098.6589	1115.7842	1132.6370	1149.9512	1170.3549	1200.1045	1235.8918	1281.5521
3460.0	1074.9500	1078.8230	1084.4529	1102.3706	1119.6057	1136.6199	1154.1145	1174.8317	1206.1726	1242.5001	1288.5891
3470.0	1078.4500	1082.3662	1088.0417	1106.0964	1123.4648	1140.6233	1158.3030	1179.3440	1211.8826	1249.1521	1295.6525
3480.0	1081.9795	1085.9197	1091.6409	1109.8359	1127.3394	1144.6475	1162.5161	1183.8842	1217.6755	1255.7920	1302.7920
3490.0	1085.5112	1089.4844	1095.2534	1113.5911	1131.2334	1148.6921	1166.7569	1188.6663	1221.8081	1260.1699	1308.0091
3500.0	1089.0511	1093.0505	1098.8779	1117.3604	1135.1440	1152.7578	1171.0222	1193.0776	1226.3794	1265.1699	1313.2276
3510.0	1092.6042	1096.6482	1102.5139	1121.1443	1139.0725	1156.8455	1175.3152	1197.7246	1231.8081	1270.5891	1318.4829
3520.0	1096.1672	1100.2473	1106.1638	1124.9441	1143.0200	1160.9561	1179.6357	1202.4072	1236.6699	1275.7920	1323.7400
3530.0	1099.7407	1103.8574	1109.8247	1128.7595	1146.9858	1165.0886	1183.9841	1207.1270	1241.2305	1280.1699	1328.9918
3540.0	1103.3276	1107.8812	1113.4993	1132.5913	1150.9719	1168.2449	1187.3618	1210.7031	1245.8918	1284.6525	1334.2400
3550.0	1106.9233	1111.1157	1117.1875	1136.5392	1154.9768	1173.4248	1192.7686	1216.6755	1251.8081	1290.5891	1339.4918
3560.0	1110.5330	1114.7639	1120.8877	1140.3044	1159.0020	1177.6296	1197.2061	1221.8081	1256.3794	1295.1699	1344.7400
3570.0	1114.1534	1118.4238	1124.6040	1144.1855	1163.0481	1181.8584	1201.6741	1226.3794	1260.1699	1300.5891	1349.9918
3580.0	1117.7859	1122.0970	1128.3323	1148.0847	1167.1152	1186.1128	1206.1726	1231.2305	1265.1699	1305.7920	1355.2400
3590.0	1121.4324	1125.7836	1132.0759	1152.0007	1171.2031	1190.3923	1210.7031	1236.3393	1270.5891	1310.9918	1360.4918
3600.0	1125.0891	1129.4839	1135.8337	1156.2353	1175.3130	1194.6990	1215.2666	1241.2305	1275.7920	1316.2400	1365.7400

PRESSURE TEMPERATURE DEGREES R	R.0000 FUEL/AIR RATIO		ENTHALPY									
	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.080	0.100	0.120	0.140
740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4440	762.5056	771.3936	777.5159	782.8647	787.3110	791.8479
750.0	723.2591	725.2249	728.1597	737.8167	747.2859	756.5732	765.6861	774.6261	779.8521	784.2826	788.8079	793.4279
760.0	726.1934	728.1704	731.1172	740.8347	750.3584	759.6990	768.8623	777.8521	782.0830	785.5619	789.2844	793.1479
770.0	729.1292	731.1172	734.0647	743.8338	753.4319	762.8259	772.0417	781.0830	784.6149	787.5468	790.7744	794.1979
780.0	732.0652	734.0647	737.0503	746.8738	756.4066	765.7541	774.9222	783.9149	786.8468	789.7744	792.8979	796.1179
790.0	735.0032	737.0142	740.0164	749.8955	759.4830	768.8840	778.0668	787.0468	790.0737	793.0468	796.1679	799.3349
800.0	737.9419	739.9639	742.9834	752.9142	762.5027	771.9246	781.1879	790.2437	793.2168	796.1879	799.2549	802.3219
810.0	740.8813	742.9148	745.9509	755.9417	765.5383	775.0246	784.2722	793.2649	796.2379	799.2079	802.2749	805.3419
820.0	743.8213	745.8645	748.9199	758.9653	768.5716	778.0595	787.3279	796.2907	799.2537	802.2167	805.2797	808.3427
830.0	746.7634	748.8196	751.8899	761.9922	771.6082	781.1140	790.3735	799.3267	802.2897	805.2527	808.3157	811.3787
840.0	749.7061	751.7737	754.8608	765.0190	774.6402	784.1460	793.4055	802.3587	805.3217	808.2847	811.3477	814.4107
850.0	752.6497	754.7288	757.8330	768.0471	777.6632	787.1690	796.4285	805.3817	808.3447	811.3077	814.3707	817.4337
860.0	755.5940	757.6846	760.8059	771.0762	780.6924	790.1982	799.4577	808.4107	811.3737	814.3367	817.3997	820.4627
870.0	758.5398	760.6414	763.7800	774.1064	783.7226	793.2284	802.4879	811.4407	814.4037	817.3667	820.4297	823.4927
880.0	761.4861	763.5994	766.7644	777.1375	786.7537	796.2595	805.5190	814.5717	817.5347	820.4977	823.5607	826.6237
890.0	764.4334	766.5586	769.7310	780.1699	790.0060	799.7422	809.4784	819.2146	822.1776	825.1406	828.2036	831.2666
900.0	767.3823	769.5186	772.7080	783.2034	793.0395	802.7757	812.5119	822.2481	825.2111	828.1741	831.2371	834.3001
910.0	770.3320	772.4795	775.6865	786.2378	796.0739	805.8101	815.5463	825.2825	828.2455	831.2085	834.2715	837.3345
920.0	773.2820	775.4412	778.6653	789.2732	799.1093	808.8455	818.5817	828.3179	831.2809	834.2439	837.3069	840.3699
930.0	776.2339	778.4045	781.6455	792.3101	802.1463	811.8825	821.6187	831.3549	834.3179	837.2809	840.3439	843.4069
940.0	779.1865	781.3687	784.6270	795.3479	805.1831	814.9193	824.6555	834.3917	837.3547	840.3177	843.3807	846.4437
950.0	782.1399	784.3335	787.6049	798.3865	808.2217	817.9579	827.6941	837.4303	840.3933	843.3563	846.4193	849.4823
960.0	785.1602	787.3655	790.6580	801.4919	811.3271	821.0633	830.8005	840.5367	843.4997	846.4627	849.5257	852.5887
970.0	788.1992	790.4175	793.7273	804.6145	814.4507	824.1869	833.9241	843.6603	846.6233	849.5863	852.6493	855.7123
980.0	791.2417	793.4714	796.7996	807.7446	817.5807	827.3169	837.0531	846.7893	849.7523	852.7153	855.7783	858.8413
990.0	794.2861	796.5281	799.8738	810.8750	820.7111	830.4473	840.1835	849.9197	852.8827	855.8457	858.9087	861.9717
1000.0	797.3323	799.5874	802.9507	814.0683	823.9045	833.6407	843.3769	853.1131	856.0761	859.0391	862.1021	865.1651
1010.0	800.3831	802.6492	806.0308	817.1448	826.9765	836.7127	846.4489	856.1851	859.1481	862.1111	865.1741	868.2371
1020.0	803.4354	805.7139	809.1135	820.2844	830.1205	839.8567	849.5929	859.3291	862.2921	865.2551	868.3181	871.3811
1030.0	806.4905	808.7820	812.1947	823.4260	833.2621	842.9983	852.7345	862.4707	865.4337	868.3967	871.4597	874.5227
1040.0	809.5491	811.8521	815.2876	826.5718	836.4079	846.1441	855.8803	865.6165	868.5795	871.5425	874.6055	877.6685
1050.0	812.6104	814.9255	818.3794	829.7205	839.5567	849.2929	859.0291	868.7653	871.7283	874.6913	877.7543	880.8173
1060.0	815.6738	818.0022	821.4739	832.8718	842.7079	852.4441	862.1803	871.9165	874.8795	877.8425	880.9055	883.9685
1070.0	818.7402	821.0813	824.5710	836.0244	845.8605	855.5967	865.3329	875.0691	878.0321	881.0951	884.1581	887.2211
1080.0	821.8098	824.1631	827.6714	839.1841	848.9203	858.6565	868.3927	878.1289	881.0919	884.1549	887.2179	890.2809
1090.0	824.8821	827.2488	830.7751	842.3450	852.0811	861.8173	871.5535	881.2897	884.2527	887.3157	890.3787	893.4417
1100.0	827.9570	830.3362	833.8816	845.5095	855.2457	864.9819	874.7181	884.4543	887.4173	890.4803	893.5433	896.6063
1120.0	834.1167	836.5215	840.1038	851.8479	861.5841	871.3203	881.0565	890.7927	893.7557	896.8187	899.8817	902.9447
1130.0	837.2007	839.6191	843.2197	855.0222	864.7583	874.4945	884.2307	893.9669	896.9299	899.9929	903.0559	906.1189
1140.0	840.2841	842.7192	846.3396	858.2004	867.9365	877.6727	887.4089	897.1451	900.1081	903.1711	906.2341	909.2971
1150.0	843.3744	845.8230	849.4619	861.3821	871.1183	880.8545	890.5907	900.3269	903.2899	906.3529	909.4159	912.4789
1160.0	846.4721	848.9302	852.5879	864.5667	874.3029	884.0391	893.7753	903.5115	906.4745	909.5375	912.6005	915.6635
1170.0	849.5691	852.0405	855.7166	867.7551	877.4913	887.2275	896.9637	906.7000	909.6630	912.7260	915.7890	918.8520
1180.0	852.6692	855.1538	858.8506	870.9478	880.6839	890.4201	900.1563	909.8925	912.8555	915.9185	918.9815	922.0445
1190.0	855.7720	858.2708	861.9856	874.1433	883.8805	893.6167	903.3529	913.0891	916.0521	919.1151	922.1781	925.2411
1200.0	858.8796	861.3904	865.1242	877.3435	887.0797	896.8159	906.5521	916.2883	919.2513	922.3143	925.3773	928.4403
1210.0	861.9895	864.5146	868.2688	880.5669	890.3031	900.0393	909.7755	919.5117	922.4747	925.5377	928.6007	931.6637
1220.0	865.1030	867.6426	871.4163	883.7549	893.4911	903.2273	912.9635	922.7007	925.6637	928.7267	931.7897	934.8527
1230.0	868.2205	870.7729	874.5671	886.9668	896.7029	906.4391	916.1753	925.9115	928.8745	931.9375	935.0005	938.0635
1240.0	871.3403	873.9072	877.7217	890.1419	900.0081	909.8743	919.7405	929.6067	932.5697	935.6327	938.6957	941.7587
1250.0	874.4641	877.0452	880.8747	893.4016	903.2679	913.1341	923.0003	932.8665	935.8295	938.8925	941.9555	945.0185
1260.0	877.5918	880.1870	884.0405	896.6255	906.4917	916.3579	926.2241	936.0903	939.0533	942.1163	945.1793	948.2423
1270.0	880.7224	883.3323	887.2070	899.8542	909.7203	919.5865	929.4527	939.3189	942.2819	945.3449	948.4079	951.4709

PRESSURE = TEMPERATURE DEGREES F	R. 0.0000 / FUEL/AIR RATIO		ENTHALPY									
	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067			
3200.0	883.4584	884.4352	890.3372	903.0867	915.4558	927.5229	939.3132	950.9316	960.4854	0.067		
3250.0	886.0954	887.0722	893.5501	906.3237	918.7505	930.8229	942.7175	954.3972	964.0072			
3300.0	890.1345	891.1113	897.5892	910.3628	922.8504	934.9228	946.8174	958.4971	968.1185			
3350.0	894.1736	895.1504	901.6281	914.4017	926.8893	938.9617	950.8563	962.5360	972.1574			
3400.0	898.2127	899.1895	905.6672	918.4408	930.9294	943.0018	954.8964	966.5761	976.1975			
3450.0	902.2518	903.2286	909.7063	922.4799	934.9685	947.0409	958.9355	970.6152	979.2361			
3500.0	906.2909	907.2677	913.7454	926.5189	939.0075	951.0800	962.9746	974.6543	983.2752			
3550.0	910.3300	911.3068	917.7845	930.5580	943.0466	955.1191	967.0137	978.6934	987.3143			
3600.0	914.3691	915.3459	921.8236	934.5971	947.0857	959.1582	971.0528	982.7325	991.3534			
3650.0	918.4082	919.3850	925.8587	939.1162	951.6063	963.6788	975.5734	987.2531	995.8740			
3700.0	922.4473	923.4241	929.8978	943.6054	956.1140	968.1865	979.9811	991.6608	1000.2817			
3750.0	926.4864	927.4632	933.9369	947.9445	960.4525	972.5250	984.3206	996.0013	1004.6222			
3800.0	930.5255	931.5023	937.9760	952.2836	965.0307	977.6112	989.4068	1001.0875	1010.0484			
3850.0	934.5646	935.5414	942.0151	956.7227	969.4698	982.0433	993.8389	1005.5196	1015.0805			
3900.0	938.6037	939.5805	946.0342	960.7618	973.5089	986.0824	997.8780	1009.5587	1019.6196			
3950.0	942.6428	943.6196	950.0701	964.0029	976.9500	989.5235	1001.3181	1013.0000	1023.0609			
4000.0	946.6819	947.6587	954.1092	968.4360	981.3891	994.0026	1005.7971	1017.4790	1028.5419			
4050.0	950.7210	951.6978	958.1483	972.5741	985.4542	998.0677	1009.3616	1021.0655	1032.6064			
4100.0	954.7601	955.7369	962.1874	977.6132	990.4933	1003.1068	1014.4017	1026.1066	1037.6475			
4150.0	958.7992	959.7760	966.2275	981.6523	994.5324	1007.2509	1018.4458	1030.1507	1041.6886			
4200.0	962.8383	963.8151	970.2646	985.6914	998.5715	1011.3000	1022.4950	1034.5400	1046.6299			
4250.0	966.8774	967.8542	974.2837	989.7305	1003.6106	1016.4457	1027.6407	1039.6857	1051.7308			
4300.0	970.9165	971.8933	978.3226	993.7696	1006.6497	1019.7948	1032.9358	1044.9808	1057.0259			
4350.0	974.9556	975.9324	982.3619	997.8087	1010.6888	1023.8399	1037.1300	1049.4250	1062.3210			
4400.0	978.9947	979.9715	986.3960	1001.8478	1014.7279	1027.6380	1041.8271	1054.0201	1068.6161			
4450.0	983.0338	984.0106	990.4251	1006.8869	1019.7670	1032.6771	1046.8662	1059.0152	1074.9112			
4500.0	987.0729	988.0497	994.4442	1011.9260	1024.8061	1039.7162	1051.9103	1065.0603	1081.0013			
4550.0	991.1120	992.0888	998.4835	1016.9651	1029.8452	1044.7553	1059.8054	1070.8555	1087.04			

ENTHALPY

TEMPERATURE DEGREES R	8.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.087
3820.0	1060.5410	1064.2576	1069.6729	1073.2012	1086.9670	1101.5601	1119.8892	1136.4695	1155.5920	1161.3960
3830.0	1063.9988	1067.7454	1073.2012	1076.7388	1090.5977	1107.3291	1123.7839	1140.5427	1159.9216	1166.1689
3840.0	1067.6658	1071.2422	1076.7388	1080.2881	1094.2615	1111.1123	1127.6965	1144.6177	1164.2803	1180.9707
3850.0	1070.9414	1074.7478	1080.2881	1083.8479	1097.9373	1114.9111	1131.6277	1148.7161	1168.6704	1185.8081
3860.0	1074.6263	1078.2646	1083.8479	1087.4177	1101.6277	1118.7258	1135.6769	1152.6367	1173.0891	1200.6763
3870.0	1077.9219	1081.7913	1087.4177	1090.9993	1105.3301	1122.5557	1139.5649	1156.9807	1177.5396	1205.5779
3880.0	1081.6253	1085.3274	1090.9993	1094.5928	1109.0854	1126.4016	1143.5327	1161.1484	1182.0212	1210.5132
3890.0	1084.9412	1088.8755	1094.5928	1098.1975	1112.7756	1130.2649	1147.5003	1165.3411	1186.5376	1215.4841
3900.0	1088.6446	1092.4333	1098.1975	1101.8127	1116.5190	1134.1448	1151.5681	1169.5586	1191.0840	1220.4880
3910.0	1091.9993	1096.0034	1101.8127	1105.4407	1120.2773	1138.0410	1155.6165	1173.8013	1195.6638	1225.5271
3920.0	1095.5437	1099.5823	1105.4407	1109.0811	1124.0508	1141.9553	1159.8860	1178.0715	1200.2781	1230.6030
3930.0	1099.0999	1103.1741	1109.0811	1112.7334	1127.8389	1145.8875	1163.7769	1182.3674	1204.9285	1235.7134
3940.0	1102.6670	1106.7759	1112.7334	1116.3982	1131.6414	1149.8381	1167.8904	1186.6909	1209.6125	1240.8601
3950.0	1106.2441	1110.3896	1116.3982	1120.0767	1135.4602	1153.8071	1172.0259	1191.0417	1214.3328	1246.0425
3960.0	1109.8340	1114.0171	1120.0767	1123.7674	1139.2959	1157.7957	1176.1841	1195.4216	1219.0903	1251.2652
3970.0	1113.4336	1117.6550	1123.7674	1127.4712	1143.1465	1161.8037	1180.3667	1199.8301	1223.8848	1256.5225
3980.0	1117.0454	1121.3052	1127.4712	1131.1890	1147.0134	1165.8308	1184.5725	1204.2683	1228.7158	1261.8184
3990.0	1120.6682	1124.9683	1131.1890	1134.9202	1150.8977	1169.8789	1188.8030	1208.7371	1233.5662	1267.1523
4000.0	1124.3044	1128.6443	1134.9202	1138.6443	1154.7979	1173.9470	1193.0883	1213.2356	1238.4951	1272.5261

ENTHALPY

PRE-SURE = TEMPERATURE / FUEL/AIR RATIO	9.0000	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	120.3254	722.2795	734.7991	744.2141	753.4440	762.5066	771.3938	777.5159	780.7798	784.0647
2750.0	123.2594	725.2249	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798	784.0647	787.3110
2760.0	126.1934	728.1704	740.8367	750.3584	759.6990	768.8623	777.8521	784.0647	787.3110	790.5784
2770.0	129.1292	731.1172	743.8538	753.4319	762.8249	772.0417	781.0830	787.3110	790.5784	793.8479
2780.0	132.0652	734.0647	746.8738	756.5066	765.9541	775.0408	783.9448	790.5784	793.8479	797.1152
2790.0	135.0032	737.0142	749.8955	759.5830	768.9840	778.0408	786.9448	793.8479	797.1152	800.3899
2800.0	137.9413	739.9639	752.9182	762.5383	771.2146	780.2408	789.1448	796.0479	799.3152	802.5828
2810.0	140.8813	742.9148	755.9417	765.7383	774.3647	783.3408	792.2448	799.3152	802.5828	805.7757
2820.0	143.8213	745.8665	758.9663	768.8178	777.3795	786.3408	795.2448	802.5828	805.7757	808.9686
2830.0	146.7634	748.8196	761.9922	771.8984	780.3140	789.2408	798.1448	805.7757	808.9686	812.1615
2840.0	149.7061	751.7737	765.0190	774.9802	783.3408	792.2448	801.1448	808.9686	812.1615	815.3544
2850.0	152.6497	754.7288	768.0471	778.0632	786.3408	795.2448	804.1448	812.1615	815.3544	818.5473
2860.0	155.5940	757.6846	771.0762	781.1472	789.2448	798.1448	807.1448	815.3544	818.5473	821.7402
2870.0	158.5398	760.6414	774.1064	784.2324	792.2448	801.1448	809.1448	818.5473	821.7402	824.9331
2880.0	161.4861	763.5984	777.1375	787.3186	795.3479	804.2408	812.1615	821.7402	824.9331	828.1260
2890.0	164.4334	766.5586	780.1699	790.4060	798.3479	807.2408	815.1615	824.9331	828.1260	831.3189
2900.0	167.3823	769.5184	783.2034	793.4949	801.3479	810.2408	818.1615	828.1260	831.3189	834.5118
2910.0	170.3320	772.4795	786.2378	796.5845	804.3479	813.2408	821.1615	831.3189	834.5118	837.7047
2920.0	173.2826	775.4412	789.2732	799.6750	807.3479	816.2408	824.1615	834.5118	837.7047	840.8976
2930.0	176.2339	778.4045	792.3101	802.7673	810.3479	819.2408	827.1615	837.7047	840.8976	844.0905
2940.0	179.1855	781.3687	795.3479	805.8606	813.3479	822.2408	830.1615	840.8976	844.0905	847.2834
2950.0	182.1399	784.3335	798.3865	808.9546	816.3479	825.2408	833.1615	844.0905	847.2834	850.4763
2960.0	185.0942	787.2986	801.4263	812.0503	819.3479	828.2408	836.1615	847.2834	850.4763	853.6692
2970.0	188.0484	790.2636	804.4699	815.2163	822.3479	831.2408	839.1615	850.4763	853.6692	856.8621
2980.0	191.0027	793.2287	807.5134	818.3965	825.3479	834.2408	842.1615	853.6692	856.8621	860.0550
2990.0	193.9570	796.1934	810.5561	821.5786	828.3479	837.2408	845.1615	856.8621	860.0550	863.2479
3000.0	196.9113	799.1587	813.6287	824.7639	831.3479	840.2408	848.1615	859.0550	863.2479	866.4408
3010.0	199.8656	802.1234	816.6814	827.9521	834.3479	843.2408	851.1615	862.2479	866.4408	869.6337
3020.0	202.8199	805.0887	819.7341	831.1440	837.3479	846.2408	854.1615	865.2479	869.6337	872.8266
3030.0	205.7742	808.0538	822.7868	834.3381	840.3479	849.2408	857.1615	868.2479	872.8266	876.0195
3040.0	208.7285	811.0189	825.8395	837.5354	843.3479	852.2408	860.1615	871.2479	876.0195	879.2124
3050.0	211.6828	813.9840	828.8922	840.7363	846.3479	855.2408	863.1615	874.2479	879.2124	882.4053
3060.0	214.6371	816.9491	831.9449	843.9395	849.3479	858.2408	866.1615	877.2479	882.4053	885.5982
3070.0	217.5914	819.9142	835.0000	847.1467	852.3479	861.2408	869.1615	880.2479	885.5982	888.7911
3080.0	220.5457	822.8693	838.0551	850.3562	855.3479	864.2408	872.1615	883.2479	888.7911	891.9840
3090.0	223.5000	825.8244	841.1102	853.5703	858.3479	867.2408	875.1615	886.2479	891.9840	895.1769
3100.0	226.4543	828.7795	844.1653	856.7869	861.3479	870.2408	878.1615	889.2479	895.1769	898.3698
3110.0	229.4086	831.7346	847.2204	860.0066	864.3479	873.2408	881.1615	892.2479	898.3698	901.5627
3120.0	232.3629	834.6897	850.2755	863.2302	867.3479	876.2408	884.1615	895.2479	901.5627	904.7556
3130.0	235.3172	837.6448	853.3306	866.4570	870.3479	879.2408	887.1615	898.2479	904.7556	907.9485
3140.0	238.2715	840.5999	856.3857	869.6800	873.3479	882.2408	890.1615	901.5627	907.9485	911.1414
3150.0	241.2258	843.5550	859.4408	872.9214	876.3479	885.2408	893.1615	904.7556	911.1414	914.3343
3160.0	244.1801	846.5101	862.4959	876.1599	879.3479	888.2408	896.1615	907.9485	914.3343	917.5272
3170.0	247.1344	849.4652	865.5510	879.4014	882.3479	891.2408	899.1615	911.1414	917.5272	920.7201
3180.0	250.0887	852.4203	868.6061	882.6467	885.3479	894.2408	902.1615	914.3343	920.7201	923.9130
3190.0	253.0430	855.3754	871.6612	885.8984	888.3479	897.2408	905.1615	917.5272	923.9130	927.1059
3200.0	256.0000	858.3305	874.7163	889.1509	891.3479	899.2408	908.1615	920.7201	927.1059	930.2988
3210.0	258.9543	861.2856	877.7714	892.4063	894.3479	902.2408	911.1615	923.9130	930.2988	933.4917
3220.0	261.9086	864.2407	880.8265	895.6680	897.3479	905.2408	914.1615	927.1059	933.4917	936.6846
3230.0	264.8629	867.1958	883.8816	898.9333	900.3479	908.2408	917.1615	930.2988	936.6846	939.8775
3240.0	267.8172	870.1509	886.9367	902.1984	903.3479	911.2408	920.1615	933.4917	939.8775	943.0704
3250.0	270.7715	873.1060	890.0000	905.4763	906.3479	914.2408	923.1615	936.6846	943.0704	946.2633
3260.0	273.7258	876.0551	893.0551	908.7544	909.3479	917.2408	926.1615	939.8775	946.2633	949.4562
3270.0	276.6801	879.0092	896.1102	912.0376	912.3479	920.2408	929.1615	943.0704	949.4562	952.6491

PRESSURE = 9.0000		ENTHALPY									
TEMPERATURE / FUEL/AIR RATIO		0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
DEGREES R											
280.0	883.7493	886.3706	890.2620	902.9619	915.3250	927.3870	939.1721	950.7725	960.2070	0.067	
290.0	886.4857	889.5215	893.4136	906.1960	918.6167	930.7332	942.5713	954.2322	963.8040		
300.0	889.7116	892.6755	896.6091	909.4348	921.9131	934.0840	945.9763	957.6990	967.4138		
310.0	893.1714	895.8359	899.7891	912.6785	925.1144	937.4407	949.3870	961.1716	971.0354		
320.0	896.3191	898.9990	902.9759	915.9253	928.8204	940.8025	952.8032	964.8509	974.8685		
330.0	899.4712	902.1658	906.1606	919.1782	931.8318	944.1699	956.2258	968.1394	978.3152		
340.0	902.6272	905.3367	909.3528	922.4341	935.1477	947.5425	959.6536	971.6333	981.9739		
350.0	905.7871	908.5122	912.5493	925.6963	938.4695	950.9207	963.0886	975.1362	985.6662		
360.0	908.9471	911.6912	915.7510	928.9631	941.7964	954.3352	966.5300	978.6677	989.3330		
370.0	912.1187	914.8748	918.9510	932.2344	945.1282	957.6946	969.9771	982.1660	993.0325		
380.0	915.2917	918.0625	922.1650	935.5107	948.4656	961.0901	973.4316	985.6936	996.7676		
390.0	918.4680	921.2566	925.3801	938.7922	951.8086	964.4917	976.8923	989.2284	1000.4749		
400.0	921.6482	924.4509	928.5991	942.0791	955.1577	967.8999	980.3611	992.7746	1004.2182		
410.0	924.8330	927.6519	931.8218	945.3708	958.5117	971.3140	983.8364	996.3279	1007.9778		
420.0	928.0211	930.8586	935.0510	948.6680	961.8726	974.7354	987.3191	999.8923	1011.7527		
430.0	931.2166	934.0686	938.2839	951.9717	965.2395	978.1631	990.8098	1003.4654	1015.5439		
440.0	934.4151	937.2830	941.5220	955.2795	968.6118	981.5977	994.3076	1007.0491	1019.3503		
450.0	937.6184	940.5029	944.7661	958.5935	971.9907	985.0393	997.8137	1010.6428	1023.1738		
460.0	940.8254	943.7273	948.0139	961.9131	975.3760	988.4875	1001.3284	1014.2466	1027.0142		
470.0	944.0381	946.9575	951.2681	965.2395	978.7686	991.9436	1004.8516	1017.8623	1030.8713		
480.0	947.2543	950.1919	954.5269	968.5710	982.1670	995.4055	1008.3831	1021.4895	1034.7451		
490.0	950.4773	953.4312	957.7910	971.9092	985.5723	998.8784	1011.9236	1025.1274	1038.8601		
500.0	953.7041	956.6765	961.0603	975.2534	988.9849	1002.3569	1015.4731	1028.7774	1042.5520		
510.0	956.9373	959.9265	964.3352	978.6038	992.4043	1005.8440	1019.0315	1032.4404	1046.4819		
520.0	960.1736	963.1819	967.6169	981.9609	995.8308	1009.3381	1022.6001	1036.1157	1050.4312		
530.0	963.4170	966.4436	970.9036	985.3252	999.2656	1012.8428	1026.1785	1039.8044	1054.3999		
540.0	966.6643	969.7102	974.1956	988.6943	1002.7070	1016.3545	1029.7868	1043.5054	1058.3884		
550.0	969.9175	972.9817	977.4944	992.0715	1006.1567	1019.8750	1033.3652	1047.2212	1062.3970		
560.0	973.1769	976.2595	980.7988	995.4556	1009.6140	1023.4050	1036.9739	1050.9500	1066.4265		
570.0	976.4402	979.5430	984.1086	998.8472	1013.0798	1029.9436	1040.5942	1054.6936	1070.4751		
580.0	979.7104	982.8328	987.4255	1002.2458	1016.5535	1030.4922	1044.2251	1058.4534	1074.5659		
590.0	982.9856	986.1274	990.7488	1005.46514	1020.3354	1034.0898	1047.8677	1062.2271	1078.6377		
600.0	986.2673	989.4299	994.0789	1009.0665	1023.5264	1037.6174	1051.5215	1066.0166	1082.7517		
610.0	989.5544	992.7380	997.4153	1012.4856	1027.0261	1041.1956	1055.1885	1069.8228	1086.8879		
620.0	992.8479	996.0504	1000.7568	1015.9141	1030.5339	1044.7834	1058.8652	1073.6458	1091.0466		
630.0	996.1472	999.3718	1004.1089	1019.3516	1034.0518	1048.3826	1062.5576	1077.4849	1095.2285		
640.0	999.4521	1002.6985	1007.4631	1022.7957	1037.5781	1051.9919	1066.2617	1081.3418	1099.4324		
650.0	1002.7654	1006.0327	1010.8279	1026.2493	1041.1152	1055.6128	1069.9795	1085.2175	1103.6616		
660.0	1006.0830	1009.3730	1014.1980	1029.7107	1044.6611	1059.2444	1073.7097	1089.1104	1107.9163		
670.0	1009.4084	1012.7202	1017.5764	1033.1812	1048.2173	1062.8879	1077.4556	1093.0237	1112.1921		
680.0	1012.7400	1016.0740	1020.9607	1036.6602	1051.7832	1065.5830	1081.2139	1096.9584	1116.4932		
690.0	1016.0781	1019.4340	1024.3550	1040.1489	1055.3599	1070.2100	1086.9878	1100.9065	1120.8193		
700.0	1019.4234	1022.8047	1027.7569	1043.6460	1059.9473	1073.8999	1088.7771	1104.8784	1125.1720		
710.0	1022.7747	1026.1794	1031.1643	1047.1521	1062.5452	1077.5815	1092.5808	1108.8708	1129.5500		
720.0	1026.1350	1029.5635	1034.5806	1050.6682	1066.1550	1081.2878	1096.4009	1112.8450	1133.9553		
730.0	1029.5010	1032.9536	1038.0056	1054.1929	1069.7747	1085.0061	1100.2366	1116.9214	1138.3862		
740.0	1032.8752	1036.3538	1041.4392	1057.7292	1073.4075	1088.7385	1104.0901	1120.9802	1142.8647		
750.0	1036.2571	1039.7595	1044.8804	1061.2756	1077.0508	1092.4851	1107.9597	1125.0620	1147.3306		
760.0	1039.6462	1043.1750	1048.3301	1064.8311	1080.7065	1095.2449	1111.8464	1129.1663	1151.8630		
770.0	1043.0422	1046.5977	1051.7893	1068.3970	1084.4752	1100.0190	1115.7510	1133.2954	1156.3848		
780.0	1046.4473	1050.0278	1055.2553	1071.9741	1088.0554	1103.8091	1119.6743	1137.4482	1160.9553		
790.0	1049.8494	1053.4583	1058.7334	1075.5625	1091.7488	1107.6135	1123.6155	1141.6274	1165.5554		
800.0	1053.2810	1056.9140	1062.2205	1079.1616	1095.4556	1111.2708	1127.5769	1145.8323	1170.1831		
810.0	1056.7097	1060.3718	1065.7144	1082.7727	1099.1760	1115.2708	1131.5574	1150.0630	1174.4425		

PRESSURE = TEMPERATURE DEGREES R	9.0000 / FUEL/AIR RATIO	ENTHALPY								
		0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3420.0	1060.1465	1063.8391	1069.2197	1086.3948	1102.9987	1119.1226	1135.5571	1154.3203	1179.5310	0.067
3430.0	1063.5933	1067.3140	1072.7364	1090.0278	1106.6570	1122.9919	1139.5774	1158.6050	1184.2495	
3440.0	1067.0486	1070.7983	1076.2595	1093.6736	1110.4180	1126.8774	1143.6189	1162.9177	1188.9990	
3450.0	1070.5117	1074.2915	1079.7932	1097.3323	1114.1951	1130.7810	1147.6824	1167.2593	1193.7815	
3460.0	1073.9846	1077.7949	1083.3384	1101.0024	1117.9858	1134.7019	1151.7671	1171.6304	1198.5947	
3470.0	1077.4675	1081.3081	1086.8936	1104.6858	1121.7930	1138.6414	1155.8740	1176.0300	1203.4395	
3480.0	1080.9583	1084.8298	1090.4595	1108.3816	1125.6140	1142.5986	1160.0044	1180.4607	1208.3171	
3490.0	1084.4590	1088.3630	1094.0369	1112.0913	1129.4517	1146.5754	1164.1580	1184.9221	1213.2300	
3500.0	1087.9700	1091.9060	1097.6245	1115.8147	1133.3059	1150.5710	1168.3350	1189.4158	1218.1733	
3510.0	1091.4900	1095.4590	1101.2234	1119.5510	1137.1753	1154.5867	1172.5366	1193.9397	1223.1514	
3520.0	1095.0148	1099.0234	1104.8365	1123.3022	1141.0623	1158.6221	1176.7629	1198.6971	1228.1641	
3530.0	1098.5603	1102.5974	1108.4561	1127.0667	1144.9658	1162.6785	1181.0149	1203.0884	1233.2114	
3540.0	1102.1123	1106.1838	1112.0901	1130.8464	1148.8875	1166.7561	1185.2932	1207.7126	1238.2937	
3550.0	1105.6736	1109.7808	1115.7354	1134.6406	1152.8267	1170.8542	1189.5972	1212.3711	1243.4099	
3560.0	1109.2461	1113.3894	1119.3945	1138.4507	1156.7844	1176.9751	1193.9297	1217.0664	1248.5640	
3570.0	1112.8291	1117.0093	1123.0657	1142.2754	1160.7607	1179.1184	1198.2888	1221.7957	1253.7548	
3580.0	1116.4233	1120.6406	1126.7488	1146.1162	1164.7551	1183.2839	1202.6765	1226.5815	1258.9800	
3590.0	1120.0281	1124.2847	1130.4454	1149.9729	1168.7690	1187.4734	1207.0925	1231.3643	1264.2444	
3600.0	1123.6462	1127.9402	1134.1543	1153.8457	1172.8017	1191.6865	1211.5388	1236.2016	1269.5452	

ENTHALPY

TEMPERATURE / FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2140.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2150.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6224	780.7798
2160.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2170.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2180.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2190.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2200.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2210.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2220.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	800.3624	806.9375
2230.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1553	800.6961	807.4361
2240.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2250.0	752.6497	754.7288	757.8330	768.0471	778.0802	787.8985	797.5234	806.9778	813.4905
2260.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2270.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2280.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3266
2290.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4486	810.2942	819.9565	826.6123
2300.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2310.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2320.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.6678
2330.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2340.0	779.1865	781.3687	784.6270	795.3475	805.8606	816.1711	826.2861	836.2092	843.0452
2350.0	782.1399	784.3335	787.6099	798.3865	808.9546	819.3196	829.4880	839.4634	846.3354
2360.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2370.0	788.0527	790.2695	793.5796	804.4705	815.1499	825.6230	835.8982	845.9783	852.9233
2380.0	791.0138	793.2328	796.5506	807.5967	818.3281	828.8518	839.1738	849.2983	856.2861
2390.0	794.1375	796.3782	799.7234	810.7256	821.5105	832.0837	842.4536	852.6226	859.6538
2400.0	797.1838	799.4365	802.7993	813.8574	824.6948	835.3179	845.7349	855.9480	863.0256
2410.0	800.2322	802.4973	805.8784	816.9924	827.8828	838.5559	849.0190	859.2756	866.4016
2420.0	803.2837	805.5610	808.9597	820.1296	831.0732	841.7961	852.3064	862.6094	869.7822
2430.0	806.3379	808.6274	812.0439	823.2703	834.2666	845.0396	855.5979	865.9441	873.1677
2440.0	809.3945	811.6963	815.1311	826.4136	837.4626	848.2854	858.8909	869.2830	876.5583
2450.0	812.4543	814.7683	818.2207	829.5605	840.6624	851.5356	862.1887	872.6243	879.9551
2460.0	815.5171	817.8330	821.3140	832.7102	843.8647	854.7883	865.4874	875.8709	883.3562
2470.0	818.5823	820.9214	824.4102	835.8628	847.0706	858.0444	868.7917	879.3191	886.7629
2480.0	821.6497	824.0022	827.5081	839.0178	850.2795	861.3037	872.0977	882.6714	890.1758
2490.0	824.7207	827.0852	830.6099	842.1765	853.4917	864.5657	875.4087	886.0278	893.5913
2500.0	827.7947	830.1716	833.7146	845.3389	856.7073	867.8315	878.7219	889.3872	897.0181
2510.0	830.8713	833.2612	836.8225	848.5039	859.9255	871.1003	882.0386	892.7507	900.4485
2520.0	833.9507	836.3535	839.9326	851.5719	863.1479	874.6735	885.3599	896.1189	903.8853
2530.0	837.0334	839.4487	843.0469	854.8435	866.3733	877.6499	888.6838	899.4907	907.3298
2540.0	840.1194	842.5474	846.1643	858.0188	869.6023	880.9297	892.0125	902.8677	910.7815
2550.0	843.2075	845.6487	849.2842	861.1973	872.8347	884.2131	895.3438	906.2461	914.2397
2560.0	846.2988	848.7539	852.4077	864.3794	876.0715	887.5010	898.6799	909.6316	917.7051
2570.0	849.3940	851.8613	855.5344	867.5649	879.3108	890.7920	902.0200	913.0198	921.1785
2580.0	852.4917	854.9724	858.6646	870.7542	882.5569	894.0876	905.3645	916.4153	924.6604
2590.0	855.5928	858.0867	861.7983	873.9463	885.8022	897.3857	908.7122	919.8132	928.1497
2600.0	858.6970	861.2048	864.9353	877.1431	889.0530	900.6890	912.0652	923.2166	931.8482
2610.0	861.8054	864.3269	868.0759	880.3425	892.3081	903.9968	915.4216	926.6250	935.1548
2620.0	864.9165	867.4504	871.2200	883.5464	895.5676	907.3074	918.7820	930.0386	938.6707
2630.0	868.0303	870.5781	874.3669	886.7537	898.8315	910.6238	922.1687	933.4585	942.1963
2640.0	871.1477	873.7100	877.5186	889.9656	902.0984	913.9436	925.5193	936.8826	945.7305
2650.0	874.2690	876.8452	880.6726	893.1812	905.3701	917.2673	928.8943	940.3120	949.2749
2660.0	877.3936	879.9834	883.8313	896.4009	908.6460	920.5967	932.2749	943.7478	952.8291
2670.0	880.5220	883.1252	886.9927	899.6248	911.9258	923.9297	935.6597	947.1904	956.3948

ENTHALPY

TEMPERATURE = DEGREES R	10.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	AR3.6534	886.2720	886.2720	890.1597	902.8521	915.2107	927.2681	939.0496	950.6370	959.0662
3290.0	AR6.7891	889.4214	889.4214	893.3293	906.0835	918.4995	930.6118	942.6448	954.0916	963.5559
3300.0	AR.0277	892.5740	892.5740	896.5026	909.3201	921.7930	933.9587	945.8664	957.5522	967.1563
3310.0	AR3.0710	895.7317	895.7317	899.6807	912.5610	925.0916	937.3125	949.2517	961.0193	970.7649
3320.0	AR6.2180	898.8926	898.8926	902.8623	915.8059	928.3948	940.6702	952.6643	964.4939	974.3857
3330.0	AR9.3672	902.0586	902.0586	906.0488	919.0554	931.7026	944.0342	956.0825	967.9751	978.0200
3340.0	AR2.5205	905.2641	905.2641	909.2383	922.3093	935.0156	947.4021	959.5056	971.4624	981.6263
3350.0	AR5.6797	908.4001	908.4001	912.4324	925.5681	938.3337	950.7761	962.9355	974.9590	985.3254
3360.0	AR8.8211	911.5716	911.5716	915.6321	928.8320	941.6570	954.1565	966.4111	978.4311	988.9978
3370.0	AR1.0064	914.7573	914.7573	918.8337	932.1003	944.9849	957.5413	969.8140	981.9744	992.6826
3380.0	AR15.1772	917.9441	917.9441	922.0413	935.3735	948.3194	960.9329	973.2625	985.4934	996.3828
3390.0	AR18.3513	921.1333	921.1333	925.2524	938.6509	951.6572	964.3296	976.7175	989.0208	1000.0964
3400.0	AR21.5300	924.3271	924.3271	928.4688	941.9348	955.0022	967.7329	980.1802	992.5586	1003.8262
3410.0	AR24.7124	927.5254	927.5254	931.6897	945.2229	958.3523	971.1418	983.6487	996.1028	1007.5664
3420.0	AR27.897	930.7180	930.7180	934.9153	948.5164	961.7087	974.5581	987.1262	999.6585	1011.3252
3430.0	AR31.0904	933.9163	933.9163	938.1453	951.8157	965.0706	977.9802	990.6096	1003.2219	1015.0986
3440.0	AR34.2841	937.1247	937.1247	941.3804	955.1204	968.4385	981.4092	994.1001	1006.7944	1018.8877
3450.0	AR37.4866	940.3455	940.3455	944.6206	958.4302	971.8123	984.8445	997.5989	1010.3787	1022.6924
3460.0	AR40.6912	943.5862	943.5862	947.8660	961.7456	975.1926	988.2866	1001.1057	1013.9714	1026.5139
3470.0	AR43.9009	946.8127	946.8127	951.1162	965.0671	978.5796	991.7366	1004.6216	1017.5759	1030.3521
3480.0	AR47.1117	950.0437	950.0437	954.3713	968.3945	981.9722	995.1926	1008.1440	1021.1912	1034.2080
3490.0	AR50.3342	953.2808	953.2808	957.6316	971.7271	985.3716	998.6570	1011.6760	1024.8176	1038.0808
3500.0	AR53.5579	956.5220	956.5220	960.8975	975.0669	988.7788	1002.1287	1015.2168	1028.4551	1041.9724
3510.0	AR56.7871	959.7671	959.7671	964.1682	978.4119	992.1919	1005.6082	1018.7664	1032.1047	1045.8811
3520.0	AR60.0205	963.0198	963.0198	967.4451	981.7637	995.6121	1009.0957	1022.3242	1035.7851	1049.8059
3530.0	AR63.2593	966.2711	966.2711	970.7275	985.1221	999.0403	1012.5913	1025.8936	1039.4409	1053.7534
3540.0	AR66.5032	969.5231	969.5231	974.0151	988.4866	1002.4749	1016.0955	1029.8716	1043.1274	1057.7188
3550.0	AR69.7524	972.7869	972.7869	977.3086	991.8572	1005.9172	1019.6099	1033.0588	1046.8274	1061.7034
3560.0	AR73.0074	976.0811	976.0811	980.6066	995.2351	1009.3674	1023.1277	1036.8572	1050.5403	1065.7075
3570.0	AR76.2671	979.3591	979.3591	983.9143	998.6194	1012.8247	1026.6575	1040.2651	1054.2683	1069.7317
3580.0	AR79.5325	982.6445	982.6445	987.2253	1002.0117	1016.2910	1030.1955	1043.8848	1058.0103	1073.7764
3590.0	AR82.8037	985.9366	985.9366	990.5437	1005.4109	1019.7651	1033.7444	1047.5149	1061.7864	1077.8418
3600.0	AR86.0794	989.2310	989.2310	993.8777	1009.8119	1023.2471	1037.3022	1051.1567	1065.5378	1081.9285
3610.0	AR89.3628	992.5337	992.5337	997.1978	1012.2312	1026.7378	1040.8699	1054.8088	1069.3254	1086.0376
3620.0	AR92.6509	995.8428	995.8428	1000.5349	1015.6528	1030.2383	1044.4465	1058.6741	1073.1272	1090.1670
3630.0	AR95.9451	999.1572	999.1572	1003.8784	1019.0820	1033.7456	1048.0342	1062.1506	1076.9868	1094.3198
3640.0	AR99.2458	1002.4790	1002.4790	1007.2285	1022.5188	1037.2622	1051.6311	1065.8396	1080.7837	1098.4951
3650.0	AR102.5527	1005.8069	1005.8069	1010.5864	1025.9639	1040.7888	1055.2397	1069.5422	1084.6365	1102.6934
3660.0	AR105.8655	1009.1401	1009.1401	1013.9566	1030.1147	1044.1823	1058.8591	1073.2573	1088.5068	1106.9163
3670.0	AR109.1841	1012.4822	1012.4822	1017.3215	1032.8784	1047.8701	1062.4895	1076.9858	1092.3967	1111.1602
3680.0	AR112.5088	1015.8291	1015.8291	1020.6992	1036.3681	1051.4253	1066.1309	1080.7283	1096.3042	1115.6290
3690.0	AR115.8413	1019.1838	1019.1838	1024.0847	1039.8269	1054.9902	1069.7839	1084.4836	1100.2305	1119.7217
3700.0	AR119.1804	1022.5442	1022.5442	1027.4780	1043.3140	1058.5662	1073.4495	1088.2566	1104.1783	1124.0405
3710.0	AR122.5254	1025.9146	1025.9146	1030.8787	1046.8103	1062.1516	1077.1272	1092.0398	1108.1628	1128.3828
3720.0	AR125.8782	1029.2905	1029.2905	1034.2816	1050.3117	1065.7480	1080.8176	1095.8408	1112.1296	1132.7520
3730.0	AR129.2378	1032.6731	1032.6731	1037.7036	1053.8315	1069.3552	1084.5193	1099.6558	1116.1370	1137.1465
3740.0	AR132.5040	1036.0641	1036.0641	1041.1279	1057.3582	1072.9761	1088.2351	1103.6883	1120.1660	1141.5676
3750.0	AR135.9780	1039.4636	1039.4636	1044.5608	1060.8906	1076.6055	1091.9644	1107.3262	1124.2173	1146.0151
3760.0	AR139.3591	1042.8689	1042.8689	1048.0020	1064.4348	1080.2451	1095.7073	1111.7012	1128.2903	1150.4890
3770.0	AR142.7480	1046.2837	1046.2837	1051.4514	1067.9865	1083.8989	1099.4636	1115.0828	1132.3872	1154.9912
3780.0	AR146.1420	1049.7041	1049.7041	1054.9102	1071.5524	1087.5600	1103.2344	1118.9819	1136.5073	1159.5198
3790.0	AR149.5488	1053.1360	1053.1360	1058.3755	1075.1279	1091.2415	1107.0193	1122.8992	1140.6521	1164.0784
3800.0	AR152.9612	1056.5713	1056.5713	1061.8116	1078.7151	1094.9319	1110.8206	1126.8342	1144.8218	1168.6653
3810.0	AR156.3809	1060.0220	1060.0220	1065.3354	1082.3110	1098.6353	1114.6360	1130.7888	1149.0168	1173.2598

PRESSURE = 10.0000		ENTHALPY									
TEMPERATURE / FUEL/AIR RATIO											
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
3820.0	1059.4093	1063.4773	1068.4303	1085.9194	1102.3511	1118.4675	1134.7517	1153.2363	1174.9263		
3830.0	1063.2454	1066.9426	1072.3328	1089.5381	1106.0815	1122.3137	1138.7544	1157.6824	1182.5984		
3840.0	1066.4502	1070.4164	1075.8457	1093.1689	1109.8242	1125.1770	1142.7673	1161.7561	1187.3016		
3850.0	1070.1436	1073.4977	1079.3684	1096.8118	1113.5813	1130.0581	1146.8003	1166.0569	1192.0369		
3860.0	1073.4067	1077.3901	1082.9006	1100.4641	1117.3535	1133.9541	1150.4547	1170.3853	1196.8015		
3870.0	1077.0769	1080.8914	1086.4434	1104.1335	1121.1399	1137.8691	1154.9316	1174.7424	1201.5984		
3880.0	1080.5562	1084.4014	1089.9954	1107.8123	1124.9402	1141.8000	1159.0288	1179.1792	1206.4268		
3890.0	1084.0459	1087.9221	1093.5586	1111.5049	1128.7571	1145.7507	1163.1487	1183.5454	1211.2876		
3900.0	1087.5243	1091.4521	1097.1335	1115.2097	1132.5866	1149.7195	1167.2913	1187.9915	1216.1797		
3910.0	1091.0530	1094.9929	1100.7183	1118.9282	1136.4355	1153.7070	1171.4580	1192.4685	1221.1052		
3920.0	1094.5715	1098.5432	1104.3130	1122.5592	1140.2991	1157.7139	1175.6484	1196.9771	1226.0635		
3930.0	1098.0981	1102.1035	1107.9202	1126.4053	1144.1790	1161.7402	1179.8625	1201.5188	1231.0564		
3940.0	1101.6345	1105.6763	1111.5383	1130.1650	1148.0757	1165.7881	1184.1016	1206.0918	1236.0815		
3950.0	1105.1833	1109.2573	1115.1687	1133.9382	1151.9495	1169.8552	1188.3662	1210.6970	1241.1414		
3960.0	1108.7415	1112.8508	1118.8101	1137.7273	1155.9209	1173.9431	1192.6577	1215.3379	1246.2375		
3970.0	1112.3105	1116.4556	1122.4641	1141.5305	1159.8694	1178.0532	1196.9753	1220.0120	1251.3694		
3980.0	1115.8894	1120.0710	1126.1799	1145.3479	1163.8367	1182.1851	1201.3193	1224.7205	1256.5367		
3990.0	1119.4792	1123.6980	1129.8079	1149.1821	1167.8223	1186.3391	1205.6912	1229.4651	1261.7373		
4000.0	1123.0808	1127.3167	1133.4988	1153.0308	1171.8274	1190.5154	1210.0925	1234.2468	1266.9783		

PRESSURE = TEMPERATURE DEGREES K	11.0000 / FUEL/AIR RATIO		ENTHALPY									
	0.005	0.017	0.010	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090	0.100
2740.0	720.3254	722.2795	725.1975	734.7901	744.2141	753.4480	762.5066	771.3938	777.5159	780.0447	782.5159	785.0447
2750.0	723.2543	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6224	778.8521	781.0830	783.3149	785.5468
2760.0	726.1834	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	781.0830	783.3149	785.5468	787.7787
2770.0	729.1242	731.1172	734.0503	743.8538	753.4319	762.8259	772.0417	781.0830	783.3149	785.5468	787.7787	790.0106
2780.0	732.0652	734.0647	737.0503	746.8955	756.5064	765.9561	775.2222	784.2048	787.5488	790.7837	793.9186	797.0535
2790.0	735.0032	737.0142	740.0144	749.9055	759.5430	769.0860	778.4048	787.5488	790.7837	793.9186	797.0535	800.1884
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	793.9186	797.0535	800.1884	803.3233
2810.0	740.8813	742.9149	745.9509	755.9417	765.7383	775.3467	784.7722	793.9186	797.0535	800.1884	803.3233	806.4582
2820.0	743.8213	745.8665	748.9199	758.9463	768.8176	778.4795	787.8222	796.9186	800.1884	803.3233	806.4582	809.5931
2830.0	746.7614	748.8196	751.8849	761.9422	771.8984	781.6140	791.1453	800.1884	803.3233	806.4582	809.5931	812.7280
2840.0	749.7011	751.7717	754.8408	764.9190	774.9802	784.7495	794.3335	803.3233	806.4582	809.5931	812.7280	815.8629
2850.0	752.6447	754.7284	757.8130	767.9047	778.0632	787.8865	797.5234	806.4582	809.5931	812.7280	815.8629	818.9978
2860.0	755.5940	757.6844	760.7740	770.8762	781.0246	790.8581	800.5144	809.5931	812.7280	815.8629	818.9978	822.1327
2870.0	758.5394	760.6414	763.7400	773.8544	784.0246	793.8581	803.5144	812.7280	815.8629	818.9978	822.1327	825.2676
2880.0	761.4861	763.5944	766.7000	776.8244	787.0246	796.8581	806.5144	815.8629	818.9978	822.1327	825.2676	828.4025
2890.0	764.4334	766.5444	769.6500	779.7844	790.0246	799.8581	809.5144	818.9978	822.1327	825.2676	828.4025	831.5374
2900.0	767.3823	769.4944	772.6000	782.7444	793.0246	802.8581	812.5144	821.6629	824.8025	827.9422	831.0820	834.2219
2910.0	770.3320	772.4444	775.6500	785.8244	796.1246	805.9581	815.6144	824.8025	827.9422	831.0820	834.2219	837.3618
2920.0	773.2820	775.3944	778.6000	788.7844	799.1246	808.9581	818.6144	827.9422	831.0820	834.2219	837.3618	840.5017
2930.0	776.2339	778.3444	781.5500	791.7644	802.1246	811.9581	821.6144	830.7629	833.9025	837.0422	840.1820	843.3219
2940.0	779.1865	781.2944	784.5000	794.7244	805.1246	814.9581	824.6144	833.7629	836.9025	840.0422	843.1820	846.3219
2950.0	782.1394	784.2444	787.4500	797.6844	808.6246	818.4581	828.1144	837.2629	840.4025	843.5422	846.6820	849.8219
2960.0	785.0942	787.1944	790.4000	800.6444	811.5846	821.4181	831.0644	840.2129	843.3525	846.4922	849.6320	852.7719
2970.0	788.0500	790.1444	793.3500	803.6044	814.5446	824.3781	834.0244	842.8629	846.0025	849.1422	852.2820	855.4219
2980.0	791.0024	793.0944	796.3000	806.7544	817.6946	827.5281	837.1744	846.0629	849.2025	852.3422	855.4820	858.6219
2990.0	794.0724	796.1544	799.3600	809.9244	820.8646	830.6981	840.3444	849.3229	852.4625	855.6022	858.7420	861.8819
3000.0	797.1177	799.1944	802.4000	812.9744	823.9146	833.7481	843.3944	852.3629	855.5025	858.6422	861.7820	864.9219
3010.0	800.1670	802.2344	805.4400	816.0044	826.9446	836.7781	846.4244	855.3829	858.5225	861.6622	864.8020	867.9419
3020.0	803.2141	805.2744	808.4800	818.9544	829.8946	839.7281	849.3744	858.2629	861.4025	864.5422	867.6820	870.8219
3030.0	806.2715	808.3244	811.5300	821.9944	832.9346	842.7681	852.4144	861.2029	864.3425	867.4822	870.6220	873.7619
3040.0	809.3281	811.3744	814.5800	825.0544	835.9946	845.8281	855.4744	864.2629	867.4025	870.5422	873.6820	876.8219
3050.0	812.3867	814.4244	817.6300	828.1744	839.1146	848.9481	858.5944	867.5129	870.6525	873.7922	876.9320	880.0719
3060.0	815.4440	817.4744	820.6800	831.2344	842.1746	852.0081	861.6544	870.5729	873.7125	876.8522	880.0020	883.1419
3070.0	818.5142	820.5344	823.7400	834.3044	845.2446	855.0781	864.7244	873.6429	876.7825	879.9222	883.0620	886.2019
3080.0	821.5813	823.5944	826.8000	837.3744	848.3146	858.1481	867.7944	876.7129	879.8525	882.9922	886.1320	889.2719
3090.0	824.6519	826.6544	829.8600	840.4044	851.3446	861.1781	870.8244	879.7429	882.8825	886.0222	889.1620	892.3019
3100.0	827.7244	829.7144	832.9200	843.4944	854.4346	864.2681	873.9144	882.8329	885.9725	889.1122	892.2520	895.3919
3110.0	830.8005	832.7744	836.0800	846.5844	857.5246	867.3581	876.9044	885.8229	888.9625	892.1022	895.2420	898.3819
3120.0	833.8796	835.8344	839.1400	849.6744	860.6146	870.4481	880.0944	889.0129	892.1525	895.2922	898.4320	901.5719
3130.0	836.9617	838.9044	842.2100	852.7644	863.7046	873.5381	883.1844	892.1029	895.2425	898.3822	901.5220	904.6619
3140.0	840.0461	842.0744	845.3800	856.1744	867.1146	876.9481	886.5944	895.5129	898.6525	901.7922	904.9320	908.0719
3150.0	843.1349	845.1444	848.4500	859.2444	870.1846	880.0181	889.6644	898.5829	901.7225	904.8622	908.0020	911.1419
3160.0	846.2249	848.2144	851.5200	862.3144	873.2546	883.0881	892.7344	901.6529	904.7925	907.9322	911.0720	914.2119
3170.0	849.3149	851.2844	854.5900	865.6844	876.6246	886.4581	896.1044	905.0229	908.1625	911.3022	914.4420	917.5819
3180.0	852.4159	854.3644	857.6700	868.7644	879.7046	889.5381	899.1844	908.1029	911.2425	914.3822	917.5220	920.6619
3190.0	855.5161	857.4444	860.7500	871.8444	882.7846	892.6181	902.2644	911.1829	914.3225	917.4622	920.6020	923.7419
3200.0	858.6196	860.5244	863.8300	874.9244	885.8646	895.6981	905.3444	914.2629	917.4025	920.5422	923.6820	926.8219
3210.0	861.7254	863.6144	866.9200	878.0144	888.9546	898.7881	908.4344	917.3029	920.4425	923.5822	926.7220	929.8619
3220.0	864.8342	866.7044	870.0100	881.1044	892.0446	901.8781	911.5244	920.4229	923.5625	926.7022	929.8420	932.9819
3230.0	867.9447	869.7944	873.1000	884.1944	895.1346	904.9681	914.6144	923.5029	926.6425	929.7822	932.9220	936.0619
3240.0	871.0667	872.8944	876.2000	887.2944	898.2346	908.0681	917.7144	926.6429	929.7825	932.9222	936.0620	939.2019
3250.0	874.1854	876.0044	879.3100	890.4044	901.3446	911.1781	920.8244	929.7629	932.9025	936.0422	939.1820	942.3219
3260.0	877.3094	879.1144	882.4200	893.5144	904.4546	914.2881	923.9344	932.8629	936.0025	939.1422	942.2820	945.4219
3270.0	880.4368	882.2244	885.5300	896.6244	907.5646	917.3981	927.0444	936.0029	939.1425	942.2822	945.4220	948.5619

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PRESSURE = 11.0000										
TEMPERATURE /		ENTHALPY								
DEGREES	R	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060
3820.0	1059.5112	1063.1619	1068.4888	1085.5046	1101.8652	1117.8970	1134.0718	1152.2966	1176.5198	0.067
3830.0	1062.9404	1066.6182	1071.9812	1089.1113	1105.5796	1121.7256	1138.0405	1156.5098	1181.1538	
3840.0	1066.3757	1070.0818	1075.4869	1092.7285	1109.3066	1125.4691	1142.0281	1160.7480	1185.8169	
3850.0	1069.8210	1073.5552	1078.9963	1096.3582	1113.0476	1129.4294	1146.0359	1165.0149	1190.5110	
3860.0	1073.2739	1077.0364	1082.5181	1099.9995	1116.8020	1133.3054	1150.0660	1169.3069	1195.2339	
3870.0	1076.7354	1080.5278	1086.0498	1103.6514	1120.5703	1137.1980	1154.1125	1173.6277	1199.9875	
3880.0	1080.2058	1084.0281	1089.5901	1107.3162	1124.3540	1141.1082	1158.1826	1177.9761	1204.7715	
3890.0	1083.6851	1087.5376	1093.1623	1110.9939	1128.1516	1145.0356	1162.2739	1182.3828	1209.5889	
3900.0	1087.1738	1091.0566	1096.7051	1114.6831	1131.9641	1148.9805	1166.3862	1186.7578	1214.6353	
3910.0	1090.6709	1094.5857	1100.2761	1118.3860	1135.7922	1152.9441	1170.5225	1191.1974	1219.3137	
3920.0	1094.1772	1098.1240	1103.8586	1122.1086	1139.6350	1156.9258	1174.8309	1195.6597	1224.2249	
3930.0	1097.6948	1101.6731	1107.4524	1125.8301	1143.4939	1160.9277	1178.8635	1200.1567	1229.1702	
3940.0	1101.2200	1105.2329	1111.0576	1129.5715	1147.3696	1164.9480	1183.0691	1204.6853	1234.1475	
3950.0	1104.7559	1108.8015	1114.6733	1133.3279	1151.2607	1168.9875	1187.2996	1209.2456	1239.1567	
3960.0	1108.3018	1112.3823	1118.3008	1137.0977	1155.1697	1173.0488	1191.5552	1213.8386	1244.2012	
3970.0	1111.8491	1115.9731	1121.9399	1140.8813	1159.0957	1177.1294	1195.8367	1218.4693	1249.2820	
3980.0	1115.4243	1119.5745	1125.5906	1144.6804	1163.0381	1181.2314	1200.1638	1223.1250	1254.3938	
3990.0	1119.0020	1123.1882	1129.2534	1148.4939	1166.9995	1185.3547	1204.6780	1227.8188	1259.5632	
4000.0	1122.5894	1126.8123	1132.9292	1152.3237	1170.9790	1189.5007	1208.8379	1232.5486	1264.7266	

PRESSURE =		ENTHALPY									
TEMPERATURE /		FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
2740.0	720.184	722.279	725.191	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159	0.067	
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798		
2760.0	726.1934	728.1174	731.1223	741.8347	750.3584	759.6990	768.8623	777.8521	784.0457		
2770.0	729.1292	731.1172	734.0459	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110		
2780.0	732.0652	734.0641	737.0501	746.8738	756.3066	765.9551	775.2222	784.3159	790.5786		
2790.0	735.0032	737.0142	740.0164	749.8955	759.5030	769.0880	778.4048	787.5888	793.4479		
2800.0	737.9419	739.9637	742.9834	752.9182	762.6602	772.2166	781.5879	790.7837	797.1102		
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899		
2820.0	743.8218	745.8655	748.9199	758.9653	768.8176	778.4795	787.9580	797.2571	803.6528		
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375		
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131		
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905		
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0205	800.7144	810.2205	816.7690		
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4644	820.0488		
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7897	823.3296		
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123		
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962		
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814		
2920.0	773.2820	775.4412	778.6553	789.2732	799.6750	809.8770	819.8853	829.7641	836.4678		
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556		
2940.0	779.1841	781.3687	784.6210	795.3415	805.8608	816.1711	826.2561	836.2092	843.0452		
2950.0	782.1399	784.3335	787.6089	798.3865	809.0546	819.5196	829.8880	839.8436	846.6354		
2960.0	785.0942	787.2966	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272		
2970.0	788.0500	790.2646	793.5167	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209		
2980.0	791.0064	793.2349	796.5623	807.5098	818.2646	828.7732	839.1021	849.2351	856.2153		
2990.0	794.0146	796.2540	799.5999	810.6033	821.3921	831.9729	842.3504	852.5303	859.5503		
3000.0	797.0181	799.3127	802.6746	813.7339	824.5752	835.2053	845.6304	855.8542	862.9172		
3010.0	800.0174	802.3226	805.7422	816.8674	827.7612	838.4417	848.9141	859.1814	866.2891		
3020.0	803.0187	805.4398	808.8728	820.0037	830.9507	841.6802	852.1985	862.5105	869.6648		
3030.0	806.0117	808.5012	811.9158	823.1428	834.1418	844.9219	855.4883	865.8442	873.0447		
3040.0	809.0163	811.5841	815.0020	826.2849	837.3369	848.1660	858.7791	869.1790	876.4294		
3050.0	812.0267	814.6401	818.0908	829.4297	840.5352	851.4146	862.0745	872.5146	879.8203		
3060.0	815.0387	817.7115	821.1424	832.5776	843.7358	854.6653	865.3718	875.8511	883.2144		
3070.0	818.0519	820.7905	824.2766	835.7288	846.9392	857.9192	868.6729	879.2070	886.6145		
3080.0	821.0688	823.8666	827.3740	838.8828	850.1440	861.1753	871.9768	882.5566	890.0205		
3090.0	824.0889	826.9519	830.4749	842.0398	853.3562	864.4363	875.2839	885.9092	893.4321		
3100.0	827.1119	830.0311	833.5776	845.2000	856.5693	867.6995	878.5950	889.2654	896.8479		
3110.0	830.1366	833.1200	836.6841	848.3635	859.7861	870.9656	881.9049	892.6260	900.2715		
3120.0	833.1654	836.2141	839.7437	851.5295	863.0059	874.2361	885.2268	895.9890	903.7094		
3130.0	836.1967	839.3068	842.9048	854.6992	866.2285	877.5100	888.5481	899.3544	907.1343		
3140.0	839.2305	842.4067	846.0210	857.8723	869.4561	880.7871	891.8733	902.7240	910.5769		
3150.0	842.2679	845.5063	849.1149	861.0483	872.6853	884.0674	895.2007	906.1040	914.0267		
3160.0	845.3157	848.6049	852.2610	864.2278	875.9187	887.3513	898.5339	909.4432	917.4807		
3170.0	848.3754	851.7143	855.3860	867.4109	879.1560	890.6399	901.8694	912.8844	920.9424		
3180.0	851.4374	854.8212	858.5137	870.5977	882.3967	893.9319	905.2100	916.2576	924.6141		
3190.0	854.5045	857.9347	861.6453	873.7881	885.6414	897.2268	908.5537	919.6501	927.8918		
3200.0	857.5786	861.0540	864.7803	876.9812	888.8894	900.5261	911.9019	923.0476	931.3774		
3210.0	860.6550	864.1731	867.9185	880.1785	892.1409	903.8293	915.2539	926.4502	934.8704		
3220.0	863.7369	867.2989	871.0801	883.3792	895.3967	907.1370	918.6101	929.8572	938.3735		
3230.0	866.8270	870.4231	874.2056	886.5847	898.6570	910.4490	921.9719	933.2700	941.4848		
3240.0	869.9222	873.5515	877.3542	889.7927	901.9207	913.7639	925.3369	936.6882	945.4033		
3250.0	873.0234	876.6846	880.5066	893.0044	905.1875	917.0837	928.7073	940.1104	948.9346		
3260.0	876.1311	879.8203	883.6421	895.8229	908.4592	920.4002	932.0818	943.5343	952.4761		
3270.0	879.2434	882.9592	886.8210	899.4414	911.7358	923.7363	935.4614	946.9719	956.0217		

ENTHALPY										
PRESSURE = TEMPERATURE / DEGREES H	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
3280.0	883.4492	886.1023	889.9846	902.6653	915.0159	927.0701	938.8450	950.4114	959.3798	0.067
3290.0	886.6216	889.2495	893.1511	905.8931	918.3008	930.4075	942.2344	953.6302	963.1494	
3300.0	889.7583	892.3999	896.3220	909.1257	921.5894	933.7505	945.6287	957.3091	966.7292	
3310.0	892.8492	895.5544	899.4963	912.3623	924.8835	937.0969	949.0286	960.7678	970.3198	
3320.0	894.0415	898.1724	902.6748	915.6028	928.1809	940.4495	952.4329	964.2312	973.8214	
3330.0	899.1845	901.8743	906.8572	919.8479	932.4329	943.8069	955.8435	967.7021	977.5352	
3340.0	902.1401	905.0393	909.0439	922.0977	934.7913	947.1689	959.2593	971.1799	981.1597	
3350.0	905.4955	908.2100	912.2334	925.3513	938.1018	950.5364	962.6809	974.6650	984.7969	
3360.0	908.4545	911.3833	915.4292	928.6106	941.4219	953.9106	966.1086	978.1577	988.4478	
3370.0	911.8147	914.5615	918.6274	931.8735	944.7429	957.2878	969.5425	981.6563	992.1046	
3380.0	914.9827	917.7415	921.8303	935.1416	948.0706	960.6011	972.9812	985.1633	995.7859	
3390.0	918.1531	920.9280	925.0378	938.4136	951.4033	964.0601	976.4277	988.6782	999.4739	
3400.0	921.3274	924.1182	928.2495	941.5914	954.7412	967.4563	979.8799	992.2014	1003.1763	
3410.0	924.5068	927.3125	931.4451	944.9716	958.0840	970.8562	983.3386	995.7312	1006.8916	
3420.0	927.6899	930.5115	934.6865	948.2620	961.4326	974.2642	986.8049	999.2715	1010.8233	
3430.0	930.8770	933.7136	937.9116	951.5547	964.7871	977.6768	990.2773	1002.8201	1014.3682	
3440.0	934.0684	936.9209	941.1414	954.9518	968.1472	981.0967	993.7573	1006.3777	1018.1289	
3450.0	937.2644	940.1333	944.3740	958.1550	971.5134	984.5225	997.2444	1009.9448	1021.9028	
3460.0	940.4639	943.3494	947.6157	961.4646	974.8850	987.9543	1000.7380	1013.5215	1025.6941	
3470.0	943.6689	946.5710	950.8599	964.7778	978.2629	991.3936	1004.2412	1017.1069	1029.9993	
3480.0	946.8777	949.7971	954.1089	968.0972	981.6437	994.8396	1007.7507	1020.7031	1033.7232	
3490.0	950.0918	953.0271	957.3628	971.4231	985.0371	998.2925	1011.2588	1024.3098	1037.3621	
3500.0	953.3105	956.2629	960.6224	974.7539	988.4336	1001.7532	1014.7952	1027.9268	1041.0186	
3510.0	956.5332	959.5034	963.8872	978.0908	991.8372	1005.2202	1018.3293	1031.5547	1044.8914	
3520.0	959.7615	962.7488	967.1567	981.4333	995.2468	1008.6946	1021.8721	1035.1946	1048.7830	
3530.0	962.9949	965.9993	970.4324	984.7830	998.6638	1012.1780	1025.4248	1038.6459	1052.6902	
3540.0	966.2322	969.2551	973.7131	988.1379	1002.0875	1015.6675	1028.9553	1042.5085	1056.5189	
3550.0	969.4744	972.5154	976.9990	991.4998	1005.5183	1019.1655	1032.5571	1046.1843	1060.3620	
3560.0	972.7234	975.7820	980.2908	994.8682	1008.9545	1022.6714	1036.1365	1049.8726	1064.5266	
3570.0	975.9763	979.0540	983.5876	998.2422	1012.4014	1024.1869	1039.7258	1053.5725	1068.5085	
3580.0	979.2344	982.3313	986.8914	1001.6238	1015.4547	1029.7100	1043.3262	1057.2876	1072.5112	
3590.0	982.4981	985.6133	990.2000	1005.1112	1019.3132	1033.2427	1046.9353	1061.0151	1076.3330	
3600.0	985.7673	988.9019	993.5149	1008.4047	1022.7834	1036.7837	1050.5564	1064.7563	1080.3750	
3610.0	989.0420	992.1970	996.8367	1011.8091	1026.2600	1040.3330	1054.1877	1068.5134	1084.6375	
3620.0	992.3215	995.4958	1000.1638	1015.2180	1029.7461	1043.8923	1057.8298	1072.2842	1088.7209	
3630.0	995.6079	998.8020	1003.4976	1018.6348	1033.2378	1047.4612	1061.4836	1076.0496	1092.8247	
3640.0	998.8999	1002.1140	1006.8374	1022.0581	1036.7383	1051.0398	1065.1489	1079.8721	1096.9507	
3650.0	1002.1973	1005.4319	1010.1841	1025.8997	1040.2690	1054.6284	1068.8264	1083.6895	1101.0977	
3660.0	1005.5010	1008.7568	1013.5374	1028.9294	1043.7681	1058.2275	1072.5154	1087.5242	1105.2866	
3670.0	1008.8105	1012.0872	1016.8972	1032.3747	1047.2961	1061.8367	1076.2166	1091.3752	1109.4607	
3680.0	1012.1257	1015.4238	1020.2439	1035.8308	1050.8328	1065.4565	1079.9316	1095.2424	1113.6750	
3690.0	1015.4480	1018.7678	1023.6377	1039.2947	1054.3594	1069.0862	1083.6594	1099.1294	1117.9126	
3700.0	1018.7756	1022.1179	1027.0188	1042.7466	1057.9368	1072.7285	1087.4004	1103.0337	1122.1755	
3710.0	1022.1108	1025.4749	1030.4063	1046.2468	1061.5015	1076.3813	1091.1545	1106.9565	1126.6604	
3720.0	1025.4517	1028.8394	1033.8022	1049.7354	1065.0774	1080.0469	1094.9241	1110.8989	1130.7708	
3730.0	1028.7998	1032.2095	1037.2041	1053.2314	1068.6638	1083.7231	1098.7075	1114.8594	1135.1038	
3740.0	1032.1544	1035.5879	1040.6150	1056.7405	1072.2607	1087.4126	1102.5054	1118.6403	1139.6629	
3750.0	1035.5161	1038.9741	1044.0332	1060.2559	1075.8679	1091.1138	1106.3184	1122.8435	1143.8477	
3760.0	1038.8840	1042.3652	1047.4590	1063.7810	1079.4861	1094.8276	1110.1560	1126.8662	1148.2573	
3770.0	1042.2407	1045.7461	1050.8921	1067.3154	1083.1152	1098.5554	1113.9919	1130.9102	1152.6921	
3780.0	1045.6434	1049.1738	1054.3342	1070.8596	1086.7559	1102.2954	1117.8821	1134.9763	1157.1563	
3790.0	1049.0339	1052.5894	1057.7849	1074.4141	1090.4075	1106.0496	1121.7295	1139.0649	1161.6436	
3800.0	1052.4314	1056.0127	1061.2434	1077.9788	1094.0723	1109.8179	1125.6240	1143.1775	1166.1804	
3810.0	1055.8364	1059.4434	1064.7114	1081.5532	1097.7478	1113.6003	1129.5364	1147.3118	1170.7048	

PRESSURE = 12.0000		ENTHALPY								
TEMPERATURE /	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
DEGREES R										
3820.0	1059.2498	1062.8831	1069.1870	1085.1382	1101.4358	1117.3967	1133.4651	1151.4724	1175.2756	
3830.0	1062.6709	1066.3306	1071.6716	1088.7344	1105.1367	1121.2078	1137.4131	1155.6558	1179.8738	
3840.0	1066.0989	1069.7874	1075.1650	1092.3401	1108.8499	1125.0344	1141.3789	1159.8635	1184.5022	
3850.0	1069.5361	1073.2515	1078.6687	1095.9523	1112.5767	1128.8770	1145.3850	1164.0984	1189.1584	
3860.0	1072.9814	1076.7253	1082.1802	1099.5867	1116.3171	1132.7344	1149.3891	1168.3584	1193.8450	
3870.0	1076.4343	1080.2075	1085.7021	1103.2266	1120.0701	1136.4082	1153.3943	1172.6458	1198.5603	
3880.0	1079.8965	1083.6982	1089.2334	1106.8787	1123.8369	1140.4990	1157.4390	1176.9612	1203.3064	
3890.0	1083.3672	1087.1982	1092.7747	1110.5425	1127.6187	1144.4070	1161.5054	1181.3032	1208.0833	
3900.0	1086.8464	1090.7083	1096.3257	1114.2188	1131.4148	1148.3313	1165.5916	1185.6733	1212.8894	
3910.0	1090.3345	1094.2266	1099.8875	1117.9077	1135.2249	1152.2737	1169.7017	1190.0718	1217.7271	
3920.0	1093.8315	1097.7551	1103.4580	1121.6082	1139.0498	1156.2336	1173.8318	1194.5007	1222.5969	
3930.0	1097.3389	1101.2930	1107.0403	1125.3215	1142.8916	1160.2122	1177.9861	1198.9600	1227.4988	
3940.0	1100.8542	1104.8413	1110.6331	1129.0486	1146.7478	1164.2097	1182.1636	1203.4485	1232.4324	
3950.0	1104.3792	1108.3999	1114.2368	1132.7893	1150.6206	1168.2261	1186.3633	1207.9685	1237.3982	
3960.0	1107.9146	1111.9683	1117.8518	1136.5425	1154.5090	1172.2625	1190.5876	1212.5200	1242.3975	
3970.0	1111.4607	1115.5477	1121.4780	1140.3108	1158.4146	1176.3184	1194.8374	1217.1042	1247.4312	
3980.0	1115.0151	1119.1372	1125.1145	1144.0923	1162.3359	1180.3943	1199.1121	1221.7202	1252.4971	
3990.0	1118.5806	1122.7375	1128.7644	1147.8882	1166.2754	1184.5912	1203.4114	1226.3708	1257.5979	
4000.0	1122.1567	1126.3499	1132.4255	1151.6997	1170.2329	1188.6094	1207.7388	1231.0562	1262.7332	

PRESSURE = TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.1254	722.2795	725.1975	734.1991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2591	725.2249	728.1597	737.1617	747.2859	756.5732	765.8884	775.2226	780.7798
2760.0	726.1934	728.1704	731.1223	740.1347	750.3584	759.6980	768.9623	778.2521	784.0647
2770.0	729.1258	731.1172	734.0859	743.0938	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0551	734.0647	737.0501	746.0538	756.5066	765.9561	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.0955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9414	739.9639	742.9834	752.2182	762.6602	772.2166	781.5879	790.7837	797.1182
2810.0	740.8811	742.9148	745.9509	755.3417	765.7383	775.3467	784.7722	794.0108	800.3899
2820.0	743.8218	745.8633	748.9199	758.6653	768.8176	778.4794	787.9580	797.2571	803.6528
2830.0	746.7634	748.8194	751.8899	761.9922	771.8984	781.6147	791.1453	800.4961	806.9375
2840.0	749.7068	751.7737	754.8608	765.0190	774.9802	784.7498	794.3335	803.7363	810.2131
2850.0	752.6494	754.7288	757.8330	768.0471	777.8632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0264	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7801	774.1044	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4866	763.5984	766.7546	777.1175	787.3186	797.3035	807.0994	816.7097	823.3286
2890.0	764.4336	766.5584	769.7311	780.1699	790.4060	800.4456	810.2942	819.9565	826.8123
2900.0	767.3824	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5945	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2336	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1868	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0852
2950.0	782.1396	784.3335	787.6089	798.3865	808.9546	819.3196	829.4440	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.5272
2970.0	788.0500	790.2666	793.5767	804.4635	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0068	793.2365	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9636	796.2039	799.5481	810.5525	821.3435	831.9255	842.3088	852.4946	859.5112
3000.0	796.9204	799.2588	802.6191	813.4144	824.5232	835.1551	845.5950	855.9149	862.9738
3010.0	799.8772	802.3169	805.4965	816.8125	827.7590	838.3904	848.8674	859.1409	866.2637
3020.0	802.8340	805.3796	808.7766	819.9480	830.8975	841.6281	852.1516	862.4702	869.6185
3030.0	805.7918	808.4443	811.8594	823.0687	834.0889	844.8689	855.4402	865.8018	872.9954
3040.0	808.7496	811.5120	814.9453	826.2280	837.2822	848.1130	858.7302	869.1362	876.3787
3050.0	811.7074	814.5828	818.0332	829.3728	840.4802	851.3601	862.0247	872.4746	879.7659
3060.0	814.6652	817.6149	821.1145	832.5111	843.6799	854.6099	865.3220	875.8164	883.1575
3070.0	817.6330	820.7319	824.2183	835.6702	846.8826	857.8630	868.6208	879.1606	886.5549
3080.0	820.6008	823.8105	827.3152	838.8235	850.0844	861.1189	871.9243	882.5081	889.9568
3090.0	823.5686	826.8924	830.4153	841.9802	853.2976	864.3787	875.2307	885.8591	893.3657
3100.0	826.5368	829.9778	833.5176	845.1396	856.5105	867.6406	878.5403	889.2146	896.7786
3110.0	829.5050	833.0645	836.6226	848.3015	859.7258	870.9061	881.8518	892.5728	900.1985
3120.0	832.4732	836.1550	839.7317	851.4570	862.9446	874.1753	885.1597	895.9348	903.6238
3130.0	835.4414	839.2445	842.8433	854.6357	866.1670	877.4495	888.4893	899.3008	907.0544
3140.0	838.4100	842.3450	845.9580	857.8079	869.3926	880.7236	891.8130	902.6707	910.4934
3150.0	841.3786	845.4436	849.0757	860.9834	872.6211	884.0024	895.1394	906.0439	913.9365
3160.0	844.3472	848.4561	852.1970	864.1619	875.8538	887.2861	898.4702	909.4224	917.3875
3170.0	847.3158	851.4621	855.3210	867.3445	879.0898	890.5720	901.8047	912.8044	920.8464
3180.0	850.2844	854.4717	858.4417	870.5295	882.3293	893.8634	905.1436	916.1912	924.3127
3190.0	853.2530	857.4718	861.5786	873.7190	885.5723	897.1561	908.4858	919.5818	927.7854
3200.0	856.2216	860.4854	864.7126	876.9114	888.8188	900.4541	911.8318	922.9773	931.2851
3210.0	859.1902	863.5062	867.8002	879.9902	892.0696	903.7564	915.1821	926.3770	934.7551
3220.0	862.1588	866.5280	870.9902	883.3064	895.3232	907.0621	918.5371	929.7815	938.2510
3230.0	865.1274	869.5488	874.1353	886.5107	898.5823	910.3721	921.8965	933.1914	941.7566
3240.0	868.0960	872.5642	877.2827	889.7175	901.8443	913.6858	925.2588	936.8062	945.2770
3250.0	871.0646	875.5779	880.4336	892.9282	905.1101	917.0042	928.6267	940.0264	948.7947
3260.0	874.0332	878.5941	883.5179	896.1431	908.3804	920.3264	932.0000	943.4512	952.3259
3270.0	877.0018	881.6055	886.7466	899.3621	911.6545	923.6531	935.3765	946.8826	955.8664

ENTHALPY

TEMPERATURE / DEGREES R	13.0/00 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3240.0	883.411	886.0291	889.0044	892.5862	914.9329	926.9844	930.3191	935.7605	959.4262	962.9807
3290.0	886.483	889.738	893.0735	905.8113	918.2158	926.1440	931.6594	937.0049	952.2083	956.5330
3340.0	889.555	892.810	896.1455	908.8833	921.5027	929.4309	934.9463	940.2918	955.4952	959.8200
3390.0	892.627	895.882	899.2175	911.9553	924.5747	932.5029	938.0183	943.3638	958.5672	962.8920
3440.0	895.699	898.954	902.2835	915.0213	927.6407	935.5689	941.0843	946.4298	961.6332	965.9580
3490.0	898.771	902.026	905.3555	918.0933	930.7127	938.6409	944.1563	949.5018	964.7052	969.0300
3540.0	901.843	905.098	908.4275	921.1653	933.7847	941.7129	947.2283	952.5738	967.7772	972.1020
3590.0	904.915	908.170	911.5000	923.8178	936.4372	944.3654	949.8808	955.2263	970.4297	974.7545
3640.0	907.987	911.242	914.5715	926.8893	939.5087	947.4369	952.9523	958.2978	973.5012	977.8260
3690.0	911.059	914.314	917.6435	929.9613	942.5807	950.5089	956.0243	961.3698	976.5732	980.8980
3740.0	914.131	917.386	920.7155	933.0333	945.6527	953.5809	959.0963	964.4418	979.6452	983.9700
3790.0	917.203	920.458	923.7875	936.1053	948.7247	956.6529	962.1683	967.5138	982.7172	987.0420
3840.0	920.275	923.530	926.8595	939.2133	951.8327	959.7609	965.2763	970.6218	985.8252	990.1500
3890.0	923.347	926.602	929.9315	942.2893	954.9087	962.8369	968.3523	973.6978	988.9012	993.2260
3940.0	926.419	929.674	933.0035	945.4113	958.0307	965.9589	971.4743	976.8198	991.9232	996.2480
3990.0	929.491	932.746	936.0755	948.4833	961.1027	969.0309	974.5463	979.8918	994.9262	999.2510
4040.0	932.563	935.818	939.1475	951.5553	964.1747	972.1029	977.6183	982.9638	997.9692	1002.2940
4090.0	935.635	938.890	942.2195	954.6233	967.2427	975.1709	980.6863	986.0318	1001.0252	1005.3500
4140.0	938.707	941.962	945.2915	957.6993	970.3177	978.2459	983.7613	989.1068	1004.0802	1008.4050
4190.0	941.779	945.034	948.3635	960.7071	973.3265	981.2547	986.7701	992.1156	1007.1300	1011.4550
4240.0	944.851	948.106	951.4355	963.7149	976.3343	984.2625	989.7779	995.1234	1010.1844	1014.5090
4290.0	947.923	951.178	954.5075	966.7227	979.3421	987.2703	992.7857	998.1312	1013.2388	1017.5630
4340.0	950.995	954.250	957.5795	969.7309	982.3503	990.2785	995.7939	1001.1394	1016.2938	1020.6180
4390.0	954.067	957.322	960.6515	972.4027	985.0221	992.9503	998.4657	1003.8112	1018.3482	1022.6730
4440.0	957.139	960.394	963.7235	975.4121	988.0315	995.9597	1001.4751	1006.8206	1021.3950	1025.7200
4490.0	960.211	963.466	966.7955	979.4849	992.1043	999.9505	1005.4659	1010.8114	1025.8580	1030.1830
4540.0	963.283	966.538	969.8675	982.5573	995.1767	1003.1049	1008.6203	1013.9658	1028.9100	1033.2350
4590.0	966.355	969.610	972.9395	985.6297	998.2491	1006.1773	1011.6927	1017.0382	1032.0820	1036.4070
4640.0	969.427	972.682	976.0115	988.6409	1001.3215	1009.2497	1014.7651	1020.1106	1035.1370	1039.4620
4690.0	972.499	975.754	979.0835	991.6493	1004.3937	1012.3219	1017.8373	1023.1828	1038.2370	1042.5620
4740.0	975.571	978.826	982.1555	994.7217	1007.4661	1015.3943	1020.9097	1026.2552	1041.3120	1045.6370
4790.0	978.643	981.898	985.2275	997.7939	1010.5385	1018.4667	1023.9821	1029.3276	1044.3870	1048.7120
4840.0	981.715	984.970	988.3000	1000.8661	1013.6109	1021.5391	1027.0545	1032.4000	1047.4620	1051.7870
4890.0	984.787	988.042	991.3715	1003.9385	1016.6833	1024.6115	1030.1269	1035.4724	1050.5370	1054.8620
4940.0	987.859	991.114	994.4435	1007.0109	1019.7557	1027.6839	1033.1993	1038.5448	1053.6120	1057.9370
4990.0	990.931	994.186	997.5155	1010.0833	1022.8281	1030.7563	1036.2717	1041.6172	1056.6870	1061.0120
5040.0	993.999	997.254	1000.5835	1013.1557	1026.1005	1034.0287	1039.5441	1044.8896	1059.6920	1064.0170
5090.0	997.071	1000.326	1003.6555	1016.2281	1029.1729	1037.1011	1042.6165	1047.9620	1062.7670	1067.0920
5140.0	1000.143	1003.398	1006.7275	1019.3005	1032.2453	1040.1735	1045.6889	1051.0344	1065.8420	1070.1670
5190.0	1003.215	1006.470	1009.8000	1022.3729	1035.3177	1043.2459	1048.7613	1054.1068	1069.1910	1073.5160
5240.0	1006.287	1009.542	1012.8715	1025.4453	1038.3901	1046.3183	1051.8337	1057.1792	1072.2660	1076.5910
5290.0	1009.359	1012.614	1015.9435	1028.5177	1041.4625	1049.3907	1054.9061	1060.2516	1075.3410	1079.6660
5340.0	1012.431	1015.686	1019.0155	1031.5901	1044.5349	1052.4631	1057.9785	1063.3240	1078.4160	1082.7410
5390.0	1015.503	1018.758	1022.0875	1034.6625	1047.6073	1055.5355	1061.0509	1066.3964	1081.5100	1085.8350
5440.0	1018.575	1021.830	1025.1595	1037.7349	1049.6797	1057.6079	1063.1233	1068.4688	1084.5640	1088.8890
5490.0	1021.647	1024.902	1028.2315	1040.8073	1052.7521	1060.6801	1066.1955	1071.5410	1087.6350	1091.9600
5540.0	1024.719	1027.974	1031.3035	1043.8797	1055.8245	1063.7527	1069.2681	1074.6136	1090.7080	1095.0330
5590.0	1027.791	1031.046	1034.3755	1046.9521	1058.8969	1066.8251	1072.3405	1077.6860	1093.7830	1098.1080
5640.0	1030.863	1034.118	1037.4475	1050.0245	1062.9693	1070.8975	1076.4129	1081.7584	1096.8520	1101.1770
5690.0	1033.935	1037.190	1040.5200	1053.0969	1066.0417	1073.9701	1079.4855	1084.8310	1100.4360	1104.7610
5740.0	1037.007	1040.262	1043.5915	1056.1693	1069.1141	1077.0423	1082.5577	1087.9032	1103.5110	1107.8360
5790.0	1040.079	1043.334	1046.6635	1059.2417	1072.3165	1080.2447	1085.7601	1091.1056	1106.5860	1110.9110
5840.0	1043.151	1046.406	1049.7355	1062.3141	1075.3889	1083.3171	1088.8325	1094.1780	1109.2610	1113.5860
5890.0	1046.223	1049.478	1052.8075	1065.3865	1078.4613	1086.3895	1091.9049	1097.2504	1112.3360	1116.6610
5940.0	1049.295	1052.550	1055.8795	1068.4589	1081.5337	1089.4619	1095.0773	1100.4228	1115.4960	1119.8210
5990.0	1052.367	1055.622	1058.9515	1071.5313	1084.6057	1092.5339	1098.1493	1103.4948	1118.5680	1122.8930
6040.0	1055.439	1058.694	1062.0235	1074.6037	1087.6781	1095.6063	1101.2217	1106.5672	1121.6410	1125.9660
6090.0	1058.511	1061.766	1065.0955	1077.6761	1090.7525	1098.6807	1104.2961	1109.6416	1124.7160	1129.0410
6140.0	1061.583	1064.838	1068.1675	1080.7485	1093.8229	1101.7511	1107.3665	1112.7120	1127.7870	1132.1120
6190.0	1064.655	1067.910	1071.2395	1083.8199	1096.8943	1104.8225	1110.4379	1115.7834	1130.8580	1135.1830
6240.0	1067.727	1070.982	1074.3115	1086.8923	1099.9647	1107.8929	1113.5083	1118.8538	1133.9280	1138.2530
6290.0	1070.799	1074.054	1077.3835	1089.9649	1103.0353	1110.9635	1116.5789	1121.9244	1137.0000	1141.3250
6340.0	1073.871	1077.126	1080.4555	1092.5365	1105.6069	1113.5351	1119.1505	1124.5060	1139.5820	1143.9070
6390.0	1076.943	1080.198	1083.5275	1095.6079	1108.6783	1116.6065	1122.2219	1127.5674	1142.6570	1146.9820
6440.0	1080.015	1083.270	1086.6000	1098.6793	1111.7497	1119.6779	1125.2933	1130.6388	1145.7320	1150.0570
6490.0	1083.087	1086.342	1089.6715	1101.7517	1114.8211	1122.7493	1128.3647	1133.7102	1148.8050	1153.1300
6540.0	1086.159	1089.414	1092.7435	1104.8231	1117.8925	1125.8207	1131.4361	1136.7816	1151.8560	1156.1810
6590.0	1089.231	1092.486	1095.8155	1107.8945	1120.9639	1128.8921	1134.5075	1139.8530	1154.9310	1159.2560
6640.0	1092.303	1095.558	1098.8875	1110.9659	1124.0353	1131.9635	1137.5789	1142.9244	1158.0000	1162.3250
6690.0	1095.375	1098.630	1101.9595	1114.0373	1127.1067	1135.0349	1140.6503	1145.9958	1161.0750	1165.4000
6740.0	1098.447	1101.702	1105.0315	1117.1087	1130.1781	1138.1063	1143.7217	1149.0672	1164.1500	1168.4750
6790.0	1101.519	1104.774	1108.1035	1120.1801	1133.2495	1141.1777	1146.7931	1152.1386	1167.2250	1171.5500
6840.0	1104.591	1107.846	1111.1755	1123.2515	1136.3209	1144.2491	1149.8645	1155.2100	1170.3000	1174.6250
6890.0	1107.663	1110.918	1114.2475	1126.3229	1139.3943	1147.3225	1152.9379	1158.2834	1173.3750	1177.7000
6940.0	1110.735	1113.990	1117.3195	1129.3913	1142.4657	1150.3939	1156.0093	1161.3548	1176.4500	1180.7750
6990.0	1113.807	1117.062	1120.3915	1132.4627	1145.5371	1153.4653	1159.0807	1164.4262	1179.5010	1183.8260
7040.0	1116.879	1120.134	1123.4635	1135.5341	1148.6055	1156.5337	1162.1491	1167.4946	1182.5760	1186.9010
7090.0	1119.951	1123.206	1126.5355	1138.6059	1151.6769	1159.6051	1165.2205	1170.5660	1185.6410	1190.0660
7140.0	1123.023	1126.278	1129.6075	1141.6773	1154.7483	1162.6765	1168.2919	1173.6374	1188.7120	1193.0370
7190.0	1126.095	1129.350	1132.6795	1144.7487	1157.8197	1165.7479	1171.3633	1176.7088	1191.7870	1196.1120
7240.0	1129.167	1132.422	1135.7515	1147.8201	1160.8911	1168.8193	117			

PRESSURE # TEMPERATURE DEGREES R	ENTHALPY									
	13.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3420.0	1059.0144	1062.4324	1067.9143	1074.9143	1084.8108	1101.0537	1116.9487	1132.9253	1150.7402	1174.1661
3430.0	1062.4280	1064.0737	1071.3940	1078.3940	1088.3970	1104.7434	1120.7456	1136.8552	1154.8975	1178.7322
3440.0	1065.8506	1069.5215	1074.8794	1081.8794	1091.9929	1108.4436	1124.5571	1140.8020	1159.0796	1183.3276
3450.0	1069.2804	1072.9797	1078.3745	1085.3745	1095.5999	1112.1577	1128.3838	1144.7676	1163.2871	1187.9521
3460.0	1072.7195	1076.4453	1081.8784	1088.8784	1099.2185	1115.8844	1132.2256	1148.7515	1167.5183	1192.8040
3470.0	1076.1654	1079.9194	1085.3909	1092.3909	1102.8477	1119.6245	1136.0830	1152.7556	1171.7761	1197.2861
3480.0	1079.6191	1083.4019	1088.9141	1095.9141	1106.4875	1123.3772	1139.9561	1156.7793	1176.0613	1201.9971
3490.0	1083.0823	1086.8538	1092.4443	1099.4443	1110.1404	1127.1448	1143.8454	1160.8225	1180.3730	1206.7345
3500.0	1086.5537	1090.3350	1095.9873	1103.0873	1113.5044	1130.5258	1147.7529	1164.8862	1184.7114	1211.5085
3510.0	1090.0334	1093.8058	1099.5386	1106.5386	1117.4805	1134.7207	1151.6760	1168.9714	1189.0784	1216.3086
3520.0	1093.5227	1097.2943	1103.0999	1110.0999	1121.1692	1138.5311	1155.4169	1173.0781	1193.4729	1221.1418
3530.0	1097.0205	1100.7931	1106.6721	1113.6721	1124.8699	1142.3555	1159.5754	1177.2063	1197.8979	1226.0051
3540.0	1100.5276	1104.2929	1110.2549	1117.2549	1128.5828	1146.1958	1163.5525	1181.3572	1202.3516	1230.9987
3550.0	1104.0432	1108.0403	1113.8574	1120.8574	1132.3091	1150.0505	1167.5481	1185.5308	1206.8350	1235.1250
3560.0	1107.5644	1111.5994	1117.4514	1124.4514	1136.0486	1153.9221	1171.5627	1189.7283	1211.3503	1240.7144
3570.0	1111.1055	1115.1682	1121.0659	1128.0659	1139.8025	1157.8091	1175.5964	1193.9500	1215.8967	1245.7144
3580.0	1114.6439	1118.7468	1124.6917	1131.6917	1143.5688	1161.7124	1179.4492	1198.1951	1220.4739	1250.8003
3590.0	1118.2013	1122.3367	1128.3281	1135.3281	1147.3489	1165.6326	1183.7217	1202.4653	1225.0837	1255.8589
3600.0	1121.7765	1125.9368	1131.9771	1139.9771	1151.1443	1169.5698	1187.8164	1206.7610	1229.7275	1260.9509

PRESSURE = 14.0000										
TEMPERATURE / FUEL/AIR RATIO		ENTHALPY								
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159	0.067
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798	0.067
2760.0	726.1934	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447	0.067
2770.0	729.1292	731.1172	734.0859	743.8530	753.4319	762.8259	772.0417	781.0830	787.3110	0.067
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784	0.067
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	768.9840	778.4048	787.5488	793.8479	0.067
2800.0	737.9419	739.9639	742.9148	752.9182	762.6602	772.2166	781.5879	790.7837	797.1182	0.067
2810.0	740.8813	742.9148	745.9509	755.9383	765.7383	775.3467	784.7722	794.0198	800.3899	0.067
2820.0	743.8218	745.8655	748.9199	758.9663	768.6176	778.4795	787.9580	797.2571	803.6828	0.067
2830.0	746.7634	748.8196	751.8899	761.9922	771.9884	781.6140	791.1453	800.4961	806.9375	0.067
2840.0	749.7061	751.7737	754.8608	765.0471	774.9802	784.7495	794.3335	803.7363	810.2131	0.067
2850.0	752.6497	754.7288	757.8330	768.0491	778.0632	787.8865	797.5234	806.9778	813.4905	0.067
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690	0.067
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488	0.067
2880.0	761.4811	763.5994	766.7546	777.1316	787.3186	797.3035	807.0994	816.7897	823.3296	0.067
2890.0	764.4236	766.5586	769.7310	780.1699	790.6060	800.4456	810.2942	819.9565	826.6123	0.067
2900.0	767.3661	769.5186	772.7080	783.2034	793.6349	803.5881	813.4900	823.2043	829.8942	0.067
2910.0	770.3086	772.4795	775.6865	786.2378	796.5845	806.7322	816.5870	826.4536	833.1814	0.067
2920.0	773.2511	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678	0.067
2930.0	776.1936	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556	0.067
2940.0	779.1361	781.3687	784.6100	795.3479	805.8504	816.1711	826.2861	836.2092	843.0552	0.067
2950.0	782.0786	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354	0.067
2960.0	785.0211	787.2966	790.5923	801.4263	812.0503	822.4695	832.5914	842.7195	849.6272	0.067
2970.0	787.9636	790.2666	793.5767	804.4675	815.1467	825.6208	835.6960	845.9766	852.9209	0.067
2980.0	790.9061	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153	0.067
2990.0	793.8486	796.2039	799.5481	810.5525	821.3635	831.9245	842.3088	852.6946	859.5112	0.067
3000.0	796.7911	799.1849	802.5890	813.5929	824.4736	835.1094	845.5432	855.9781	862.8333	0.067
3010.0	800.0000	802.4276	805.8455	816.8617	827.6587	838.3445	848.8242	859.1030	866.0019	0.067
3020.0	803.0000	805.4276	808.8455	819.8617	830.6459	841.5813	852.1086	862.4309	869.3252	0.067
3030.0	806.0000	808.4276	811.8455	823.0347	834.0369	844.8223	855.3958	865.7610	872.6492	0.067
3040.0	809.0000	811.4276	814.8455	826.0347	837.0369	847.8223	858.6853	869.0950	876.0293	0.067
3050.0	812.0000	814.4276	817.8455	829.0347	840.0369	850.8223	861.6853	872.1326	879.0714	0.067
3060.0	815.0000	817.4276	820.8455	832.0347	843.0369	853.8223	864.6853	875.1326	882.0714	0.067
3070.0	818.0000	820.4276	823.8455	834.6347	845.6369	856.4223	867.2853	877.7326	884.6714	0.067
3080.0	821.0000	823.4276	826.8455	837.6347	848.6369	859.4223	870.2853	880.7326	887.6714	0.067
3090.0	824.0000	826.4276	829.8455	840.6347	851.6369	862.4223	873.2853	883.7326	890.6714	0.067
3100.0	827.0000	829.4276	832.8455	843.6347	854.6369	865.4223	876.2853	886.7326	893.6714	0.067
3110.0	830.0000	832.4276	835.8455	846.6347	857.6369	868.4223	879.2853	889.7326	900.1311	0.067
3120.0	833.0000	835.4276	838.8455	849.6347	860.6369	871.4223	882.2853	892.7326	903.5522	0.067
3130.0	836.0000	838.4276	841.8455	852.6347	863.6369	874.4223	885.2853	895.7326	906.5822	0.067
3140.0	839.0000	841.4276	844.8455	855.6347	866.6369	877.4223	888.2853	898.7326	910.4170	0.067
3150.0	842.0000	844.4276	847.8455	858.6347	869.6369	880.4223	891.2853	901.7326	913.8574	0.067
3160.0	845.0000	847.4276	850.8455	861.6347	872.6369	883.4223	894.2853	904.7326	917.3022	0.067
3170.0	848.0000	850.4276	853.8455	864.6347	875.6369	886.4223	897.2853	907.7326	920.7533	0.067
3180.0	851.0000	853.4276	856.8455	867.6347	878.6369	889.4223	900.2853	910.7326	924.2202	0.067
3190.0	854.0000	856.4276	859.8455	869.6347	880.6369	891.4223	902.2853	912.7326	928.6805	0.067
3200.0	857.0000	859.4276	862.8455	872.6347	883.6369	894.4223	905.2853	915.7326	932.6166	0.067
3210.0	860.0000	862.4276	865.8455	875.6347	886.6369	897.4223	908.2853	918.7326	936.5489	0.067
3220.0	863.0000	865.4276	868.8455	879.6347	890.6369	901.4223	912.2853	922.7326	940.4806	0.067
3230.0	866.0000	868.4276	871.8455	882.6347	893.6369	904.4223	915.2853	925.7326	944.4123	0.067
3240.0	869.0000	871.4276	874.8455	885.6347	896.6369	907.4223	918.2853	928.7326	948.3440	0.067
3250.0	872.0000	874.4276	877.8455	888.6347	899.6369	910.4223	921.2853	931.7326	952.2708	0.067
3260.0	875.0000	877.4276	880.8455	891.6347	902.6369	913.4223	924.2853	934.7326	956.2025	0.067
3270.0	878.0000	880.4276	883.8455	894.6347	905.6369	916.4223	927.2853	937.7326	960.1342	0.067

ENTHALPY

TEMPERATURE = DEGREES R	14.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3200.0	0.005	843.1511	845.9607	849.8384	902.5103	914.8557	926.0958	936.6790	950.2324	959.2747
3250.0	0.005	844.4817	847.1050	851.0024	905.7351	918.1360	930.2395	942.0629	953.6702	962.8298
3300.0	0.005	845.8157	848.4529	852.3711	908.6646	921.1214	933.2776	945.4517	957.1152	966.3945
3350.0	0.005	847.1527	850.8058	854.7428	912.1980	924.7114	936.9202	948.8464	960.5664	969.9705
3400.0	0.005	848.4955	852.1608	856.1190	915.4351	928.0059	940.2673	952.2454	964.0229	973.5566
3450.0	0.005	849.8400	853.5125	857.4725	918.6770	931.3044	943.6204	955.6499	967.4456	977.1548
3500.0	0.005	851.1847	854.8640	858.8818	921.9224	934.4069	946.6971	958.6956	970.4956	980.7627
3550.0	0.005	852.5319	856.2155	860.2259	925.1731	937.6148	950.3391	962.4749	974.1307	984.3819
3600.0	0.005	853.8817	857.5697	861.5612	928.4285	941.2285	953.7075	965.8962	977.9153	988.0166
3650.0	0.005	855.2345	858.9272	862.8212	931.6868	944.5454	957.0793	969.3230	981.4041	991.5572
3700.0	0.005	856.5919	860.2899	864.1843	934.9502	947.8674	960.4575	972.7551	984.9009	995.3145
3750.0	0.005	857.9519	861.6575	865.5529	938.2192	951.1948	963.8406	976.1931	988.4058	998.9822
3800.0	0.005	859.3147	863.0219	866.9199	941.4922	954.5278	967.2300	979.6387	991.9182	1002.6550
3850.0	0.005	860.6819	864.3708	868.2664	944.7695	957.8650	970.6243	983.0891	995.4377	1006.3595
3900.0	0.005	862.0529	865.7443	869.6399	948.0522	961.2083	974.0247	986.5466	998.9653	1010.6686
3950.0	0.005	863.4271	867.1219	871.0199	951.3401	964.5566	977.4304	990.0105	1002.5024	1013.7908
4000.0	0.005	864.8043	868.5029	872.4029	954.6328	967.8102	980.8423	993.4812	1006.0471	1017.3278
4050.0	0.005	866.1847	870.8877	874.7929	957.9312	971.2633	984.2607	996.9592	1009.6008	1021.2788
4100.0	0.005	867.5683	872.2743	876.1843	961.2329	974.6345	987.6846	1000.4438	1013.1626	1025.9452
4150.0	0.005	868.9543	873.6643	877.5743	964.5422	978.0059	991.1160	1003.9358	1016.7349	1028.8262
4200.0	0.005	870.3429	875.0543	878.9643	967.8557	981.3823	994.5827	1007.4366	1020.3169	1032.8226
4250.0	0.005	871.7343	876.4483	880.3583	971.1750	984.7654	997.9973	1010.9419	1023.9077	1036.4351
4300.0	0.005	873.1283	878.0443	881.9583	974.4998	988.1548	1001.4482	1014.4570	1027.5085	1040.2634
4350.0	0.005	874.5243	879.4403	883.3543	977.8301	991.5498	1004.9058	1017.9797	1031.1208	1044.1089
4400.0	0.005	875.9219	880.8379	884.7479	981.1660	994.9517	1008.3711	1021.5107	1034.7429	1047.9700
4450.0	0.005	877.3219	882.2379	886.1479	984.5083	998.3601	1011.8430	1025.0505	1038.3762	1051.8481
4500.0	0.005	878.7243	883.6403	887.5503	987.8557	1001.7744	1015.3230	1028.8579	1042.0285	1055.7441
4550.0	0.005	880.1283	885.0443	888.9543	991.2090	1005.1965	1018.8096	1032.1548	1045.6772	1059.6577
4600.0	0.005	881.5343	886.4483	890.3583	994.5701	1008.6250	1022.3049	1035.7212	1049.3445	1063.5888
4650.0	0.005	882.9403	887.8543	891.7643	997.9365	1012.0605	1025.8083	1039.2961	1053.0242	1067.5383
4700.0	0.005	884.3483	889.2623	893.1723	1001.3093	1015.5034	1029.3191	1042.8809	1056.7163	1071.5059
4750.0	0.005	885.7583	890.6723	894.5023	1004.6892	1018.9536	1032.8384	1046.4751	1060.4216	1075.4929
4800.0	0.005	887.1683	892.0783	895.9083	1008.0750	1022.4104	1036.3650	1050.0784	1064.1406	1079.4993
4850.0	0.005	888.5783	893.4843	897.3143	1011.4683	1025.8765	1039.9033	1053.6936	1067.8730	1083.5251
4900.0	0.005	889.9883	894.8903	898.7203	1014.8667	1029.3686	1043.4480	1057.3179	1071.6182	1087.5708
4950.0	0.005	891.3983	896.2963	900.0383	1018.2719	1032.8301	1047.0020	1060.9541	1075.3796	1091.6365
5000.0	0.005	892.8083	897.7023	901.4423	1021.6877	1036.3188	1050.5852	1064.5996	1079.1541	1095.7227
5050.0	0.005	894.2183	899.1083	902.8423	1025.1044	1039.8164	1054.1367	1068.2503	1082.9438	1099.8301
5100.0	0.005	895.6283	900.5143	904.2543	1028.5371	1043.3218	1057.7209	1071.9268	1086.7493	1103.9578
5150.0	0.005	897.0383	901.9203	905.6603	1031.9729	1046.8367	1061.3145	1075.6074	1090.5708	1108.1082
5200.0	0.005	898.4483	903.3263	907.0663	1035.4172	1050.3599	1064.9167	1079.3010	1094.4089	1112.2798
5250.0	0.005	899.8583	904.7323	908.4723	1038.8677	1053.8911	1068.5300	1083.0051	1098.2625	1116.4727
5300.0	0.005	901.2683	906.1383	909.8783	1042.3276	1057.4324	1072.1528	1086.7236	1102.1343	1120.5899
5350.0	0.005	902.6783	907.5443	911.2883	1045.7944	1060.9824	1075.7814	1090.4539	1106.0222	1124.9282
5400.0	0.005	904.0883	908.9503	912.6963	1049.2705	1064.5627	1079.4326	1094.1992	1109.9299	1129.1914
5450.0	0.005	905.4983	910.3563	914.1063	1052.7542	1068.1118	1083.0894	1097.9566	1113.8545	1133.4763
5500.0	0.005	906.9083	911.7623	915.5103	1056.2471	1071.5917	1086.7578	1101.7283	1117.7974	1137.7866
5550.0	0.005	908.3183	913.1683	916.9103	1059.7485	1075.2817	1090.4368	1105.5142	1121.7612	1142.1201
5600.0	0.005	909.7283	914.5743	918.3163	1063.2506	1078.9806	1094.4368	1109.3140	1125.7439	1146.4775
5650.0	0.005	911.1383	915.9803	919.7683	1066.7776	1082.4912	1097.8330	1113.1287	1129.7471	1150.8601
5700.0	0.005	912.5483	917.3863	921.1743	1070.3066	1086.1118	1101.6491	1116.9592	1133.7710	1155.2573
5750.0	0.005	913.9583	918.7923	922.5803	1073.8442	1089.7439	1105.2766	1120.8059	1137.8159	1159.7026
5800.0	0.005	915.3683	920.1983	923.8303	1077.3921	1093.3877	1109.0222	1124.6689	1141.8833	1164.1626
5850.0	0.005	916.7783	921.6043	925.2363	1080.9490	1097.0427	1112.7781	1128.5471	1145.9719	1168.6494

ENTHALPY										
PRESSURE = 14.0000										
TEMPERATURE / FUEL/AIR RATIO										
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
3820.0	1058.8020	1062.4058	1067.6724	1084.5159	1100.7085	1116.5471	1132.4414	1150.0825	1173.1611	
3830.0	1062.2102	1065.8406	1071.1431	1088.0930	1104.3862	1120.3308	1136.3545	1154.2170	1177.7009	
3840.0	1065.6255	1069.2832	1074.6213	1091.6802	1108.0762	1124.1284	1140.2834	1158.3750	1182.2673	
3850.0	1069.0496	1072.7339	1078.1094	1095.2786	1111.7795	1127.9407	1144.2324	1162.5574	1186.8628	
3860.0	1072.4814	1076.1929	1081.6055	1098.8872	1115.4941	1131.7683	1148.1980	1166.7639	1191.4839	
3870.0	1074.9221	1079.6606	1085.1108	1102.5059	1119.2222	1135.6116	1152.1821	1170.9961	1196.1355	
3880.0	1079.3691	1083.1353	1088.6248	1106.1360	1122.9617	1139.4690	1156.1865	1175.2532	1200.8140	
3890.0	1082.8247	1086.6206	1092.1497	1109.7766	1126.7168	1143.3438	1160.2100	1179.5378	1205.5244	
3900.0	1086.2888	1090.1138	1095.6826	1113.4314	1130.4851	1147.3339	1164.2534	1183.8472	1210.2820	
3910.0	1089.7620	1093.6155	1099.2256	1117.0967	1134.2664	1151.1401	1168.3171	1188.1846	1215.0293	
3920.0	1093.2427	1097.1274	1102.7788	1120.7732	1138.0623	1155.0640	1172.4021	1192.5500	1219.8271	
3930.0	1096.7336	1100.6477	1106.3413	1124.4626	1141.8721	1159.0049	1176.5081	1196.9443	1224.6560	
3940.0	1100.2332	1104.1782	1109.9136	1128.1641	1145.6978	1162.9634	1180.6355	1201.3665	1229.5149	
3950.0	1103.7410	1107.7178	1113.4968	1131.8774	1149.5376	1166.9397	1184.7856	1205.8181	1234.4053	
3960.0	1107.2576	1111.2648	1117.0911	1135.6055	1153.3926	1170.9346	1188.9585	1210.2998	1239.3279	
3970.0	1110.7847	1114.8262	1120.6951	1139.3447	1157.2639	1174.9487	1193.1543	1214.8125	1244.2830	
3980.0	1114.3206	1118.3953	1124.3098	1143.0979	1161.1506	1178.9807	1197.3726	1219.3552	1249.2690	
3990.0	1117.8667	1121.9758	1127.9358	1146.8650	1165.0542	1183.0332	1201.6172	1223.9294	1254.2883	
4000.0	1121.4233	1125.5657	1131.5740	1150.6453	1168.9731	1187.1060	1205.8855	1228.5361	1259.3416	

PRESSURE =		14.5960		FUEL/AIR RATIO		0.005		0.007		0.010		0.020		0.030		0.040		0.050		0.060		0.067	
TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R	TEMPERATURE	R
740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4440	771.3938	777.5159	780.7798	784.0447	787.3149	790.5849	793.8549	797.1249	800.3949	803.6649	806.9349	810.2049	813.4749	816.7449	819.0149	821.2849	823.5549
750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.6863	774.6361	780.8961	784.1661	787.4361	790.7061	793.9761	797.2461	800.5161	803.7861	807.0561	810.3261	813.5961	816.8661	820.1361	823.4061	826.6761	829.9461
760.0	726.1934	728.1594	731.1253	740.8367	750.3059	759.7751	777.7249	784.0849	787.3549	790.6249	793.8949	797.1649	800.4349	803.7049	806.9749	810.2449	813.5149	816.7849	820.0549	823.3249	826.5949	829.8649	833.1349
770.0	729.1292	731.1172	734.0859	743.8534	753.3226	762.7918	780.7416	787.0016	790.2716	793.5416	796.8116	800.0816	803.3516	806.6216	809.8916	813.1616	816.4316	819.7016	822.9716	826.2416	829.5116	832.7816	836.0516
780.0	732.0652	734.0447	737.0503	746.8138	756.2830	765.7522	783.7020	789.9620	793.2320	796.5020	799.7720	803.0420	806.3120	809.5820	812.8520	816.1220	819.3920	822.6620	825.9320	829.2020	832.4720	835.7420	839.0120
790.0	735.0032	737.0142	740.0144	749.8955	759.3647	768.8339	786.7837	793.0437	796.3137	799.5837	802.8537	806.1237	809.3937	812.6637	815.9337	819.2037	822.4737	825.7437	829.0137	832.2837	835.5537	838.8237	842.0937
800.0	737.9413	739.9519	742.9814	752.9182	762.3874	771.8566	790.8064	797.0664	800.3364	803.6064	806.8764	810.1464	813.4164	816.6864	819.9564	823.2264	826.4964	829.7664	833.0364	836.3064	839.5764	842.8464	846.1164
810.0	740.8813	742.9114	745.9415	755.9417	765.4109	774.8801	793.8299	800.0899	803.3599	806.6299	809.8999	813.1699	816.4399	819.7099	822.9799	826.2499	829.5199	832.7899	836.0599	839.3299	842.5999	845.8699	849.1399
820.0	743.8214	745.8515	748.8816	758.8818	768.3510	777.8194	796.7692	803.0292	806.2992	809.5692	812.8392	816.1092	819.3792	822.6492	825.9192	829.1892	832.4592	835.7292	838.9992	842.2692	845.5392	848.8092	852.0792
830.0	746.7614	748.7915	751.8216	761.8218	771.2910	780.7594	799.7092	805.9692	809.2392	812.5092	815.7792	819.0492	822.3192	825.5892	828.8592	832.1292	835.3992	838.6692	841.9392	845.2092	848.4792	851.7492	855.0192
840.0	749.7014	751.7315	754.7616	764.7618	774.2310	783.6994	802.6492	808.9092	812.1792	815.4492	818.7192	821.9892	825.2592	828.5292	831.7992	835.0692	838.3392	841.6092	844.8792	848.1492	851.4192	854.6892	857.9592
850.0	752.6414	754.6715	757.7016	767.7018	777.1710	786.6394	805.5892	811.8492	815.1192	818.3892	821.6592	824.9292	828.1992	831.4692	834.7392	838.0092	841.2792	844.5492	847.8192	85			

ENTHALPY

PRESSURE = 14.6960		FUEL/AIR RATIO										ENTHALPY									
TEMPERATURE /		R		0.005		0.007		0.010		0.020		0.030		0.040		0.050		0.060		0.067	
DEGREES	R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	0.005	0.007
3280.0	0	883.3083	885.9163	889.7932	902.4617	914.8062	926.8552	938.6284	950.1777	959.1819	883.3083	885.9163	889.7932	902.4617	914.8062	926.8552	938.6284	950.1777	959.1819	883.3083	885.9163
3290.0	0	886.4385	889.0605	892.9568	905.6858	918.0857	930.1877	942.0110	953.6143	962.7329	886.4385	889.0605	892.9568	905.6858	918.0857	930.1877	942.0110	953.6143	962.7329	886.4385	889.0605
3300.0	0	889.5718	892.2070	896.1235	908.9141	921.3699	933.5247	945.3984	957.0582	966.2927	889.5718	892.2070	896.1235	908.9141	921.3699	933.5247	945.3984	957.0582	966.2927	889.5718	892.2070
3310.0	0	892.7095	895.3591	899.2957	912.1465	924.6587	936.8662	948.7915	960.5059	969.8650	892.7095	895.3591	899.2957	912.1465	924.6587	936.8662	948.7915	960.5059	969.8650	892.7095	895.3591
3320.0	0	895.8499	898.5139	902.4705	915.3828	927.9514	940.2126	952.1895	963.9590	973.4458	895.8499	898.5139	902.4705	915.3828	927.9514	940.2126	952.1895	963.9590	973.4458	895.8499	898.5139
3330.0	0	898.9941	901.6726	905.6492	918.6235	931.2490	943.5635	955.5918	967.4207	977.0391	898.9941	901.6726	905.6492	918.6235	931.2490	943.5635	955.5918	967.4207	977.0391	898.9941	901.6726
3340.0	0	902.1421	904.8350	908.8315	921.8664	934.5508	946.8189	958.6990	970.8867	980.8409	902.1421	904.8350	908.8315	921.8664	934.5508	946.8189	958.6990	970.8867	980.8409	902.1421	904.8350
3350.0	0	905.2942	908.0010	912.0183	925.1174	937.8574	950.2793	962.4126	974.3606	984.2559	905.2942	908.0010	912.0183	925.1174	937.8574	950.2793	962.4126	974.3606	984.2559	905.2942	908.0010
3360.0	0	908.4497	911.1711	915.2090	928.3711	941.1687	953.8458	966.8320	979.8408	987.8823	908.4497	911.1711	915.2090	928.3711	941.1687	953.8458	966.8320	979.8408	987.8823	908.4497	911.1711
3370.0	0	911.6086	914.3452	918.4033	931.6292	944.4841	957.0161	969.2566	981.3274	991.5208	911.6086	914.3452	918.4033	931.6292	944.4841	957.0161	969.2566	981.3274	991.5208	911.6086	914.3452
3380.0	0	914.7717	917.5227	921.6018	934.8911	947.8052	960.3318	972.6828	984.8220	995.1704	914.7717	917.5227	921.6018	934.8911	947.8052	960.3318	972.6828	984.8220	995.1704	914.7717	917.5227
3390.0	0	917.9385	920.7046	924.8047	938.1580	951.1311	963.7734	976.1230	988.3228	998.5337	917.9385	920.7046	924.8047	938.1580	951.1311	963.7734	976.1230	988.3228	998.5337	917.9385	920.7046
3400.0	0	921.1091	923.8901	928.0120	941.4307	954.4622	967.1699	979.5654	991.8325	1002.5098	921.1091	923.8901	928.0120	941.4307	954.4622	967.1699	979.5654	991.8325	1002.5098	921.1091	923.8901
3410.0	0	924.2837	927.0798	931.2236	944.7063	957.7981	970.5532	983.0134	995.3479	1006.1973	924.2837	927.0798	931.2236	944.7063	957.7981	970.5532	983.0134	995.3479	1006.1973	924.2837	927.0798
3420.0	0	927.4624	930.2744	934.4395	947.9880	961.1392	973.9512	986.4688	998.8738	1009.8997	927.4624	930.2744	934.4395	947.9880	961.1392	973.9512	986.4688	998.8738	1009.8997	927.4624	930.2744
3430.0	0	930.6455	933.4727	937.6592	951.2744	964.4854	977.3555	989.9297	1002.4060	1013.6162	930.6455	933.4727	937.6592	951.2744	964.4854	977.3555	989.9297	1002.4060	1013.6162	930.6455	933.4727
3440.0	0	933.8323	936.6753	940.8840	954.5649	967.8381	980.7846	993.3984	1005.9470	1017.3457	933.8323	936.6753	940.8840	954.5649	967.8381	980.7846	993.3984	1005.9470	1017.3457	933.8323	936.6753
3450.0	0	937.0234	939.8823	944.1130	957.8608	971.1956	984.1809	996.8735	1009.4971	1021.0896	937.0234	939.8823	944.1130	957.8608	971.1956	984.1809	996.8735	1009.4971	1021.0896	937.0234	939.8823
3460.0	0	940.2185	943.0930	947.3657	961.1626	974.5581	987.6033	1000.3567	1013.0557	1024.8479	940.2185	943.0930	947.3657	961.1626	974.5581	987.6033	1000.3567	1013.0557	1024.8479	940.2185	943.0930
3470.0	0	943.4180	946.4098	950.5857	964.4695	977.9277	991.0310	1003.8435	1016.6228	1028.6211	943.4180	946.4098	950.5857	964.4695	977.9277	991.0310	1003.8435	1016.6228	1028.6211	943.4180	946.4098
3480.0	0	946.6221	949.5295	953.8276	967.7808	981.3018	994.4853	1007.3396	1020.1995	1032.5097	946.6221	949.5295	953.8276	967.7808	981.3018	994.4853	1007.3396	1020.1995	1032.5097	946.6221	949.5295
3490.0	0	949.8313	952.7544	957.0744	971.0946	984.6826	997.9086	1011.5855	1024.3833	1036.2144	949.8313	952.7544	957.0744	971.0946	984.6826	997.9086	1011.5855	1024.3833	1036.2144	949.8313	952.7544
3500.0	0	953.0439	955.9841	960.3291	974.4211	988.0696	1001.9550	1015.3555	1027.3833	1038.0347	953.0439	955.9841	960.3291	974.4211	988.0696	1001.9550	1015.3555	1027.3833	1038.0347	953.0439	955.9841
3510.0	0	956.2615	959.2173	963.5869	977.7495	991.4626	1004.8110	1017.8748	1030.9900	1043.8711	956.2615	959.2173	963.5869	977.7495	991.4626	1004.8110	1017.8748	1030.9900	1043.8711	956.2615	959.2173
3520.0	0	959.4829	962.4571	966.8494	981.0840	994.8618	1008.2725	1021.4026	1034.6062	1047.7231	959.4829	962.4571	966.8494	981.0840	994.8618	1008.2725	1021.4026	1034.6062	1047.7231	959.4829	962.4571
3530.0	0	962.7104	965.7019	970.1182	984.4241	998.2676	1011.7417	1024.9380	1038.2339	1051.5923	962.7104	965.7019	970.1182	984.4241	998.2676	1011.7417	1024.9380	1038.2339	1051.5923	962.7104	965.7019
3540.0	0	965.9424	968.9500	973.3909	987.7698	1001.6794	1015.2176	1028.4817	1041.8728	1055.6790	965.9424	968.9500	973.3909	987.7698	1001.6794	1015.2176	1028.4817	1041.8728	1055.6790	965.9424	968.9500
3550.0	0	969.1780	972.2043	976.6682	991.1208	1005.0984	1018.7019	1032.0349	1045.5229	1059.3826	969.1780	972.2043	976.6682	991.1208	1005.0984	1018.7019	1032.0349	1045.5229	1059.3826	969.1780	972.2043
3560.0	0	972.4194	975.4631	979.9574	994.4792	1008.5242	1022.1934	1035.5957	1049.1853	1063.3060	972.4194	975.4631	979.9574	994.4792	1008.5242	1022.1934	1035.5957	1049.1853	1063.3060	972.4194	975.4631
3570.0	0	975.6655	978.7271	983.2415	997.8430	1011.9563	1025.6929	1039.1670	1052.8586	1067.2437	975.6655	978.7271	983.2415	997.8430	1011.9563	1025.6929	1039.1670	1052.8586	1067.2437	975.6655	978.7271
3580.0	0	978.9167	981.9963	986.5366	1001.2129	1015.3970	1029.2007	1042.7471	1056.5444	1071.2012	978.9167	981.9963	986.5366	1001.2129	1015.3970	1029.2007	1042.7471	1056.5444	1071.2012	978.9167	981.9963
3590.0	0	982.1729	985.2705	989.8372	1004.5896	1018.8433	1032.7161	1046.3357	1060.2432	1075.1775	982.1729	985.2705	989.8372	1004.5896	1018.8433	1032.7161	1046.3357	1060.2432	1075.1775	982.1729	985.2705
3600.0	0	985.4336	988.5505	993.1418	1007.9731	1022.2976	1036.2395	1049.9353	1063.9548	1079.1724	985.4336	988.5505	993.1418	1007.9731	1022.2976	1036.2395	1049.9353	1063.9548	1079.1724	985.4336	988.5505
3610.0	0	988.7009	991.8372	996.4543	1011.3630	1025.7603	1039.7727	1053.5444	1067.6802	1083.1870	988.7009	991.8372	996.4543	1011.3630	1025.7603	1039.7727	1053.5444	1067.6802	1083.1870	988.7009	991.8372
3620.0	0	991.9729	995.1270	999.7712	1014.7593	1029.2285	1043.3127	1057.1836	1071.4180	1087.2217	991.9729	995.1270	999.7712	1014.7593	1029.2285	1043.3127	1057.1836	1071.4180	1087.2217	991.9729	995.1270
3630.0	0	995.2505	998.4250	1003.0952	1018.1638	1032.7063	1046.8638	1060.7944	1075.1704	1091.2749	995.2505	998.4250	1003.0952	1018.1638	1032.7063	1046.8638	1060.7944	1075.1704	1091.2749	995.2505	998.4250
3640.0	0	998.5332	1001.7263	1006.4236	1021.5740	1036.1914	1050.4224	1064.4346	1078.9365	1095.3494	998.5332	1001.7263	1								

PRESSURE = TEMPERATURE / DEGREES R	14.6960 FUEL/AIR RATIO		ENTHALPY									
	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.087			
3820.0	1058.6658	1062.2615	1067.5159	1086.3267	1100.4880	1116.2910	1132.1368	1149.6648	1172.5181			
3830.0	1062.0694	1065.6924	1070.9817	1087.8977	1104.1592	1120.0864	1136.0364	1153.7842	1177.0301			
3840.0	1065.4823	1069.1304	1074.4558	1091.4797	1107.8423	1123.8552	1143.9551	1157.9253	1181.5854			
3850.0	1068.9023	1072.5771	1077.9397	1095.0715	1111.5378	1127.6589	1143.8911	1162.0935	1186.1636			
3860.0	1072.3308	1076.0317	1081.4312	1098.6738	1115.2449	1131.4766	1147.8457	1166.2832	1190.7854			
3870.0	1075.7641	1079.4941	1084.9312	1102.2874	1118.9656	1135.3098	1151.8108	1170.4980	1195.3960			
3880.0	1079.2080	1082.9653	1088.4207	1105.9109	1122.6978	1139.1582	1155.8101	1174.7390	1200.0586			
3890.0	1082.6411	1086.4468	1091.9600	1109.5471	1126.4443	1143.0225	1159.8210	1179.0051	1204.7446			
3900.0	1086.1199	1089.9133	1095.2871	1113.1926	1130.2034	1146.9023	1163.8511	1183.2976	1209.5019			
3910.0	1089.5879	1093.4312	1099.0249	1116.8508	1133.9763	1150.7988	1167.9011	1197.6165	1214.2080			
3920.0	1093.0649	1096.9360	1102.5715	1120.5208	1137.7637	1154.7109	1171.9714	1191.9626	1218.9844			
3930.0	1096.5503	1100.4507	1106.1284	1124.2019	1141.5647	1158.6406	1176.0635	1196.3369	1223.7905			
3940.0	1100.0439	1103.9761	1109.6953	1127.8953	1145.3801	1162.5876	1180.1768	1200.7388	1228.6274			
3950.0	1103.5484	1107.5107	1113.2732	1131.6018	1149.2104	1166.5822	1184.3103	1205.1694	1233.4844			
3960.0	1107.0594	1111.0542	1116.8606	1135.3210	1153.0559	1170.5347	1188.4675	1209.6299	1238.3928			
3970.0	1110.5806	1114.6084	1120.4585	1139.0518	1156.9170	1174.5356	1192.6479	1214.1211	1243.3245			
3980.0	1114.1099	1118.1709	1124.0644	1142.7971	1160.7925	1178.5549	1196.8506	1218.6418	1248.2861			
3990.0	1117.6504	1121.7451	1127.6851	1146.5549	1164.6846	1182.5938	1201.0771	1223.1936	1253.2817			
4000.0	1121.2004	1125.3274	1131.3162	1150.3264	1168.5935	1186.6519	1205.3281	1227.7761	1258.3083			

Table 4. Concluded

Temperature Range: 2,740 to 4,000° R

15.0 to 600.0 psia

TEMPERATURE DEGREES F	15.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.087
2740.0	720.3254	722.2795	725.1975	725.1975	734.7991	744.2141	753.4440	762.5066	771.3394	777.5159
2750.0	723.2593	725.1249	728.1597	728.1597	737.8167	747.2859	756.5732	765.5841	774.6221	780.7798
2760.0	726.1938	728.1704	731.1223	731.1223	740.8347	750.3584	759.6990	768.8623	777.8591	784.0437
2770.0	729.1292	731.1172	734.0859	734.0859	743.8534	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5764
2790.0	735.0032	737.0142	740.0144	740.0144	749.8955	759.5830	769.0840	778.4648	787.5688	793.8479
2800.0	737.9419	739.9639	742.9834	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	745.9509	755.9417	765.7383	775.3466	784.7722	794.0198	800.3899
2820.0	743.8217	745.8552	748.8897	748.8897	758.9263	768.7176	778.2495	787.6580	797.2571	803.6825
2830.0	746.7634	748.7969	751.8304	751.8304	761.9223	771.7094	781.1614	791.1453	800.4961	806.9375
2840.0	749.7061	751.7396	754.7731	754.7731	764.8608	774.6482	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.6832	757.7167	757.7167	767.8044	777.5918	787.8865	797.5234	806.9778	813.4905
2860.0	755.5934	757.6269	760.6604	760.6604	770.7482	780.5356	791.1422	800.7144	810.2805	816.7690
2870.0	758.5371	760.5706	763.6041	763.6041	773.6919	783.4793	794.1036	803.6663	813.4664	820.0488
2880.0	761.4808	763.5143	766.5478	766.5478	776.6356	786.4230	797.0373	806.5994	816.7097	823.3295
2890.0	764.4245	766.4580	769.4915	769.4915	779.5793	789.3667	800.4456	810.2942	819.9865	826.6123
2900.0	767.3682	769.4017	772.4352	772.4352	782.5230	792.3104	803.4881	813.4900	823.2043	829.9692
2910.0	770.3119	772.3454	775.3789	775.3789	785.4667	795.2541	806.4732	816.4870	826.4536	833.1814
2920.0	773.2556	775.2891	778.3226	778.3226	788.4104	798.1978	809.4149	819.4287	829.7041	836.4674
2930.0	776.1993	778.2328	781.2663	781.2663	791.3541	801.1415	812.3586	822.3822	832.9561	839.7556
2940.0	779.1430	781.1765	784.2100	784.2100	794.2978	804.0852	815.3023	825.3259	836.0002	843.0432
2950.0	782.0867	784.1202	787.1537	787.1537	797.2415	807.0289	818.2460	828.2696	838.9436	846.3354
2960.0	785.0304	787.0639	790.0974	790.0974	800.1852	810.0000	821.2171	831.2407	842.7195	849.6272
2970.0	787.9741	789.0076	792.0411	792.0411	802.1289	812.0437	823.2608	833.2844	844.7932	852.9219
2980.0	790.9178	792.9513	795.9848	795.9848	806.0726	815.9874	827.2045	837.2281	848.7369	856.8506
2990.0	793.8615	795.8950	798.9285	798.9285	809.0163	818.9311	830.1482	839.1718	850.5112	859.5112
3000.0	796.8052	798.8387	801.8722	801.8722	811.9600	821.8748	832.0919	841.5155	852.0949	860.8084

PRESSURE = 15.0000		ENTHALPY									
TEMPERATURE DEGREES R	FUEL/AIR RATIO	0.005									
		0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
3260.0	0.005	885.8977	889.7739	902.4409	914.7854	926.8367	938.6064	950.1558	959.1431		
3280.0	0.005	886.4194	892.9173	905.6648	918.0645	930.1058	941.9878	953.5322	962.8926		
3300.0	0.005	889.5535	896.1040	908.8926	921.3481	933.5020	945.3758	957.0916	966.7520		
3310.0	0.005	892.6904	899.2751	912.1243	924.6365	936.8435	948.7673	960.4805	969.8206		
3320.0	0.005	895.8304	902.4500	915.3608	927.9287	940.1847	952.1636	963.9331	973.4006		
3330.0	0.005	898.9749	905.6287	918.6008	931.2254	943.5396	955.5664	967.3945	976.9905		
3340.0	0.005	902.1221	908.8108	921.5847	934.3271	946.8943	958.9365	970.8601	980.5920		
3350.0	0.005	905.2734	911.9948	925.0940	937.8328	950.2542	962.3865	974.3320	984.2043		
3360.0	0.005	908.4297	915.1870	928.3449	941.1445	953.5199	965.8045	977.8118	987.8293		
3370.0	0.005	911.5879	918.3813	931.6047	944.4547	956.9895	969.2275	981.2944	991.4641		
3380.0	0.005	914.7502	921.5791	934.8862	947.7798	960.3645	972.8572	984.7898	995.1123		
3390.0	0.005	917.9163	924.7820	938.1326	951.1042	963.7451	976.0930	988.2893	999.7720		
3400.0	0.005	921.0867	927.9885	941.4038	954.4344	967.1318	979.5364	991.7974	1002.4456		
3410.0	0.005	924.2615	931.1997	944.6794	957.7701	970.5222	982.9817	995.3125	1006.1306		
3420.0	0.005	927.4395	934.4150	947.9602	961.1104	973.8262	986.4358	998.8354	1009.8313		
3430.0	0.005	930.6221	937.6340	951.2456	964.4563	977.3242	989.8958	1002.3674	1013.5435		
3440.0	0.005	933.8096	940.8584	954.5364	967.8079	980.7319	993.3628	1005.9043	1017.2700		
3450.0	0.005	936.9994	944.0874	957.8315	971.1646	984.1467	996.8367	1009.4544	1021.0103		
3460.0	0.005	940.1946	947.3201	961.1321	974.5264	987.5684	1000.3171	1013.0107	1024.7664		
3470.0	0.005	943.3936	950.5539	964.4380	977.8953	990.9961	1003.8044	1016.5762	1028.5264		
3480.0	0.005	946.5969	953.8003	967.7493	981.2678	994.4290	1007.2987	1020.1514	1032.3223		
3490.0	0.005	949.8054	957.0484	971.0657	984.4482	997.8699	1010.8022	1023.7364	1036.1233		
3500.0	0.005	953.0176	960.3003	974.3882	988.8139	1001.3171	1014.3127	1027.3313	1039.9390		
3510.0	0.005	956.2344	963.5539	977.7156	991.4263	1004.4710	1017.8290	1030.9358	1043.7720		
3520.0	0.005	959.4563	966.8191	981.0488	994.8237	1008.2312	1021.3557	1034.5505	1047.6201		
3530.0	0.005	962.6829	970.0847	984.3877	998.2292	1011.6987	1024.8904	1038.1763	1051.4866		
3540.0	0.005	965.9199	973.3589	987.7324	1001.4401	1015.1743	1028.4329	1041.8125	1055.3691		
3550.0	0.005	969.1484	976.6360	991.0833	1005.0571	1019.4570	1031.9434	1045.4402	1059.2678		
3560.0	0.005	972.3894	979.9194	994.4399	1008.4822	1022.1465	1035.5427	1049.1199	1063.1855		
3570.0	0.005	975.6344	983.2078	997.8032	1011.9133	1025.4443	1039.1116	1052.7905	1067.1221		
3580.0	0.005	978.8853	986.5020	1001.1721	1015.3518	1029.1509	1042.6995	1056.4744	1071.0740		
3590.0	0.005	982.1404	989.8088	1004.5481	1018.7971	1032.4646	1046.2771	1060.1697	1075.0469		
3600.0	0.005	985.4011	993.1042	1007.9302	1022.2505	1036.1855	1049.8745	1063.8777	1079.0355		
3610.0	0.005	988.6670	996.4167	1011.1193	1025.7107	1039.7188	1053.4824	1067.5994	1083.0466		
3620.0	0.005	991.9387	999.6916	1014.7141	1029.1790	1043.2566	1057.0986	1071.3354	1087.0757		
3630.0	0.005	995.2153	1003.0559	1018.1172	1032.4544	1046.8052	1060.7266	1075.0847	1091.1244		
3640.0	0.005	998.4971	1006.3840	1021.1261	1036.1379	1050.3623	1064.3850	1078.8464	1095.1948		
3650.0	0.005	1001.7849	1009.7190	1024.3429	1039.4301	1053.9285	1068.0149	1082.6267	1099.2842		
3660.0	0.005	1005.0779	1013.0603	1028.3669	1043.1299	1057.5042	1071.8743	1086.4204	1103.3948		
3670.0	0.005	1008.3767	1016.4075	1031.7974	1046.4389	1061.0903	1075.3477	1090.2290	1107.5264		
3680.0	0.005	1011.6807	1019.7405	1035.2363	1050.1550	1064.6851	1079.0304	1094.0522	1111.6787		
3690.0	0.005	1014.9914	1023.1211	1038.6826	1053.4812	1068.2905	1082.7266	1097.8931	1115.9523		
3700.0	0.005	1018.3084	1026.4825	1042.1367	1057.2154	1071.9067	1086.4353	1101.7502	1120.0500		
3710.0	0.005	1021.6314	1029.8611	1045.5984	1060.7595	1075.5322	1090.1453	1105.6252	1124.2681		
3720.0	0.005	1024.9597	1033.2429	1049.0691	1064.3127	1079.1697	1093.8889	1109.5173	1128.5103		
3730.0	0.005	1028.2944	1036.6294	1052.5464	1067.8752	1082.8171	1097.6350	1113.4244	1132.7761		
3740.0	0.005	1031.6365	1040.0217	1056.0337	1071.4473	1084.4763	1101.3954	1117.3540	1137.0635		
3750.0	0.005	1034.9844	1043.4245	1059.5286	1075.0294	1090.1465	1108.1689	1121.3008	1141.3757		
3760.0	0.005	1038.3391	1046.8357	1063.0322	1078.6211	1093.8284	1108.9597	1125.2644	1145.7112		
3770.0	0.005	1041.7000	1050.2520	1066.5449	1082.2234	1097.5232	1112.7610	1129.2524	1150.0713		
3780.0	0.005	1045.0667	1053.6750	1070.0667	1085.8364	1101.2307	1116.5791	1133.2535	1154.9556		
3790.0	0.005	1048.4419	1057.1077	1073.5977	1089.4595	1104.9485	1120.4116	1137.2834	1159.8660		
3800.0	0.005	1051.8242	1060.5479	1077.1344	1093.0945	1108.8409	1124.2803	1143.3320	1163.3020		
3810.0	0.005	1055.2131	1063.9954	1080.6880	1096.7405	1112.4243	1128.1252	1145.4011	1167.7629		

PRESSURE = 15.0000		ENTHALPY									
TEMPERATURE / FUEL/AIR RATIO											
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
3820.0	1059.6086	1062.2012	1067.6509	1084.2173	1100.3972	1116.1838	1132.0054	1149.4915	1172.2500		
3830.0	1062.0117	1065.6299	1070.9153	1087.8159	1104.0654	1119.9558	1135.9026	1153.6045	1176.7639		
3840.0	1065.4224	1069.0664	1074.3870	1091.3953	1107.7454	1123.7407	1139.8164	1157.7805	1181.3030		
3850.0	1068.8411	1072.5120	1077.8494	1094.9849	1111.4373	1127.5408	1143.7490	1161.9014	1185.8721		
3860.0	1072.2671	1075.9636	1081.3586	1098.5857	1115.1416	1131.3552	1147.6982	1166.0842	1190.4663		
3870.0	1075.7002	1079.4250	1084.8562	1102.1960	1118.8584	1135.1841	1151.6660	1170.2925	1195.0898		
3880.0	1079.1414	1082.8938	1088.3635	1105.8169	1122.5879	1139.0288	1155.6523	1174.5259	1199.7402		
3890.0	1082.5920	1086.3721	1091.8809	1109.4302	1126.3306	1142.8887	1159.6580	1178.7844	1204.4207		
3900.0	1086.0500	1089.8589	1095.4063	1113.0920	1130.0867	1146.7644	1163.6024	1183.0696	1209.1287		
3910.0	1089.5159	1093.3528	1098.9404	1116.7480	1133.8580	1150.6560	1167.7268	1187.3801	1213.8665		
3920.0	1092.9902	1096.8582	1102.4858	1120.4150	1137.6394	1154.5637	1171.7922	1191.7188	1218.6328		
3930.0	1096.4736	1100.3704	1106.0405	1124.0930	1141.4365	1158.4885	1175.8772	1196.0852	1223.4304		
3940.0	1099.9653	1103.8928	1109.6045	1127.7819	1145.2483	1162.4312	1179.9864	1200.4790	1228.2578		
3950.0	1103.4654	1107.4248	1113.1794	1131.4863	1149.0737	1166.3901	1184.1133	1204.9014	1233.1145		
3960.0	1106.9761	1110.9666	1116.7644	1135.2021	1152.9155	1170.3667	1188.2634	1209.3533	1238.0044		
3970.0	1110.4966	1114.5173	1120.3589	1138.9299	1156.7712	1174.3643	1192.6365	1213.8367	1242.9243		
3980.0	1114.0229	1118.0774	1123.9646	1142.6704	1160.6440	1178.3774	1196.6326	1218.3455	1247.8770		
3990.0	1117.5608	1121.6492	1127.5801	1146.4250	1164.5315	1182.4111	1200.8518	1222.8879	1252.8608		
4000.0	1121.1079	1125.2297	1131.2085	1150.1924	1168.4355	1186.4631	1205.0967	1227.6417	1257.8779		

ENTHALPY

TEMPERATURE DEGREES F	20.0000 / FUEL/AIR RATIO	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2400.0	720.1254	727.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3038	777.5199
2450.0	723.2593	728.2249	728.1591	737.8167	747.2859	756.5732	765.5841	774.4326	780.7798
2500.0	726.1938	731.1704	731.1253	740.8367	750.3584	759.6990	768.8623	777.8521	784.0447
2550.0	729.1292	734.0859	734.0513	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2600.0	732.0652	736.9647	736.9301	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2650.0	735.0032	740.8142	740.8164	750.8955	759.5830	768.0840	776.4048	784.5448	793.8479
2700.0	737.9419	742.6834	742.6834	752.9122	762.6602	772.2146	781.5879	790.7837	797.1182
2750.0	740.8813	745.9509	745.9509	755.9417	765.7783	775.3475	784.7722	794.0198	800.3899
2800.0	743.8218	748.8665	748.8665	758.9653	768.8176	778.4795	787.9580	797.2571	803.6628
2850.0	746.7634	751.8899	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2900.0	749.7051	754.8808	754.8808	765.0190	774.9802	784.7335	794.3335	803.7353	810.2131
2950.0	752.6497	757.8284	757.8284	768.0471	777.9632	787.6865	797.2334	806.6778	813.4905
3000.0	755.5940	760.8056	760.8056	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
3050.0	758.5398	763.7800	763.7800	774.1054	784.2324	794.1636	803.9063	813.4646	820.0488
3100.0	761.4861	766.7546	766.7546	777.3755	787.5186	797.3035	807.0994	816.7097	823.3295
3150.0	764.4336	769.7310	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
3200.0	767.3823	772.7040	772.7040	783.2034	793.4949	803.5881	813.4900	823.2053	829.8962
3250.0	770.3320	775.6868	775.6868	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
3300.0	773.2820	778.6451	778.6451	789.2732	799.6750	809.8770	819.8853	829.7051	836.5678
3350.0	776.2339	781.6058	781.6058	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
3400.0	779.1865	784.6270	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
3450.0	782.1399	787.6049	787.6049	798.3845	808.9546	819.3136	829.4880	839.4636	846.3354
3500.0	785.0942	790.5923	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
3550.0	788.0500	793.5761	793.5761	804.4635	815.1467	825.5208	835.8960	845.9766	852.9209
3600.0	791.0066	796.5621	796.5621	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
3650.0	793.9633	799.5481	799.5481	810.5525	821.3435	831.9265	842.3088	852.4846	859.5112
3700.0	796.9227	802.5352	802.5352	813.5969	824.4436	835.0813	845.5173	855.7959	862.8085
3750.0	799.8814	805.5231	805.5231	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3800.0	802.8425	808.5134	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3850.0	805.8038	811.5042	811.5042	822.7856	833.7974	844.5962	855.1895	865.5806	872.7454
3900.0	808.7675	814.4970	814.4970	825.9243	836.9875	847.8352	858.4751	868.9097	876.1160
3950.0	811.7346	817.4924	817.4924	829.0654	840.1814	851.0791	861.7651	872.2422	879.4929
4000.0	814.7044	820.4815	820.4815	832.2090	843.3777	854.3247	865.0376	875.5779	882.8721
4050.0	817.6764	823.4704	823.4704	835.3504	846.5767	857.5728	868.3521	878.9158	886.2759
4100.0	820.6500	826.4586	826.4586	838.5059	849.7788	860.8254	871.6592	882.2566	889.6445
4150.0	823.6249	829.4465	829.4465	841.6587	852.9839	864.0789	874.9507	885.6013	893.0381
4200.0	826.6000	832.4354	832.4354	844.6142	856.1919	867.3364	878.2569	888.9490	896.4355
4250.0	829.5762	835.4295	835.4295	847.9734	859.4028	870.5972	881.5815	892.2996	899.8394
4300.0	832.5534	838.4219	838.4219	851.1350	862.6145	873.8608	884.8723	895.6548	903.2480
4350.0	835.5310	841.4197	841.4197	854.2993	865.8345	877.1272	888.1953	899.0117	906.6619
4400.0	838.5094	844.4127	844.4127	857.2875	868.8552	880.3977	891.5020	902.3733	910.0811
4450.0	841.4878	847.4066	847.4066	860.6379	872.2781	883.6709	894.8223	905.7375	913.5051
4500.0	844.4660	850.4003	850.4003	863.8120	875.5046	886.9473	898.1458	909.1064	916.9363
4550.0	847.4444	853.4295	853.4295	866.9493	878.7356	890.2275	901.4717	912.4788	920.3726
4600.0	850.4228	856.4586	856.4586	870.1866	881.9680	893.5110	904.8027	915.8550	923.8167
4650.0	853.4012	859.4779	859.4779	873.3530	885.2061	896.7976	908.1362	919.2361	927.2656
4700.0	856.3800	862.4944	862.4944	876.5400	888.4465	900.0841	911.4736	922.6189	930.7209
4750.0	859.3594	865.5134	865.5134	879.5905	891.6899	903.3819	914.8157	926.0068	934.1841
4800.0	862.3388	868.5328	868.5328	882.6711	894.9377	906.6802	918.1806	929.3889	937.5553
4850.0	865.3182	871.5523	871.5523	885.7218	898.1887	909.9817	921.5100	932.7961	941.1326
4900.0	868.2976	874.5714	874.5714	889.7325	901.4426	913.2866	925.8628	938.1953	946.8162
4950.0	871.2770	877.5905	877.5905	892.7924	904.7012	916.5959	928.2200	939.6025	948.1091
5000.0	874.2564	880.6094	880.6094	895.9339	907.9626	919.8082	931.5818	943.0127	951.8099
5050.0	877.2358	883.6288	883.6288	899.9456	911.2299	923.2253	934.9465	946.4277	955.1184

ENTHALPY

PRESSURE - TEMPERATURE / DEGREES H	20.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	RA1.0364	889.6377	889.5073	902.1606	914.4985	929.8706	938.3164	949.8472	958.1357	
3290.0	RA6.1631	889.7781	892.6665	905.3799	917.7717	931.2000	941.6887	953.2717	962.1616	
3300.0	RA9.2022	891.9214	895.0681	908.6023	921.0496	936.5337	948.0679	956.7021	965.5963	
3310.0	RA2.4265	895.0681	898.9941	911.8296	924.3315	939.8315	948.4319	956.1382	969.2405	
3320.0	RA5.5632	898.2188	902.1660	915.0598	927.6172	943.8711	951.8378	963.5789	972.7939	
3330.0	RA9.7034	901.3735	905.3401	918.2939	930.9075	943.2136	955.2310	967.0254	976.3574	
3340.0	RA1.4469	904.5305	908.5171	921.5320	934.2014	946.5593	958.6284	970.4773	979.9384	
3350.0	RA4.9939	907.6921	911.6987	924.7742	937.5000	949.9114	962.0303	973.9360	983.5139	
3360.0	RA8.1151	911.8811	916.8828	929.8210	942.8032	955.7131	968.4390	977.6004	987.1079	
3370.0	RA1.2983	914.0264	918.0732	931.2717	944.1101	956.8279	968.8506	980.8704	990.7117	
3380.0	RA4.4583	917.1982	921.2656	934.5266	947.4224	959.8339	972.2886	984.3674	994.3276	
3390.0	RA7.6199	920.3752	924.4626	937.7861	950.7385	963.3643	975.6907	987.8306	997.9566	
3400.0	RA2.7852	923.5552	927.6631	941.0498	954.6605	967.7402	979.1199	991.3203	1001.5938	
3410.0	RA3.9543	926.7388	930.8679	944.1176	957.3857	970.1201	982.5540	994.8171	1005.2427	
3420.0	RA5.1277	929.9170	934.0771	947.5906	960.3173	973.1868	985.9937	998.3215	1008.9055	
3430.0	RA8.3042	933.1194	937.2898	950.8677	964.0530	977.4878	989.4804	1001.8330	1012.3811	
3440.0	RA1.4851	936.3157	940.5071	954.1494	967.3943	980.2942	992.8918	1005.3518	1016.2686	
3450.0	RA4.6702	939.5149	943.7288	957.4368	970.7397	983.6973	996.3506	1008.8784	1019.9692	
3460.0	RA7.8586	942.7195	946.9546	960.7278	974.0911	987.1645	999.8169	1012.6126	1023.6836	
3470.0	RA3.0520	945.9282	950.1851	964.0239	977.4478	990.5188	1003.2864	1015.9548	1027.8099	
3480.0	RA6.2488	949.1404	953.4197	967.3252	980.8093	993.8337	1006.7666	1019.5061	1031.1506	
3490.0	RA1.4455	952.3577	956.6589	970.6313	984.1772	997.3645	1010.2490	1023.0654	1034.9067	
3500.0	RA4.6553	955.5791	959.9033	973.9429	987.5508	1000.7959	1013.7400	1026.6360	1038.6770	
3510.0	RA5.8650	958.8049	963.1516	977.2598	990.8290	1004.2339	1017.2333	1030.2114	1042.6614	
3520.0	RA9.0791	962.0354	966.4050	980.5813	994.3132	1007.6785	1020.7441	1033.7971	1046.2603	
3530.0	RA2.2979	965.2700	969.6633	983.9092	997.7041	1011.1304	1024.2581	1037.3940	1050.0754	
3540.0	RA4.5210	968.5070	972.9253	987.2412	1001.1008	1014.5874	1027.7788	1040.9990	1053.9063	
3550.0	RA7.7471	971.7539	976.1924	990.5793	1004.5027	1018.0522	1031.3071	1044.6162	1057.7515	
3560.0	RA1.9795	975.0034	979.4661	993.9238	1007.8124	1021.5234	1034.8438	1048.2422	1061.8138	
3570.0	RA4.2556	978.2556	982.7434	997.2737	1011.3281	1025.0017	1038.3882	1051.8796	1065.6924	
3580.0	RA7.4580	981.5151	986.0269	1000.6292	1014.7490	1028.4878	1041.9409	1055.5269	1069.3875	
3590.0	RA1.7036	984.7791	989.3162	1003.9900	1018.1777	1031.9810	1045.5034	1059.1860	1073.3003	
3600.0	RA4.9541	988.0471	992.6082	1007.3579	1021.8123	1035.4312	1049.0735	1062.8560	1077.2297	
3610.0	RA8.2112	991.3215	995.9065	1010.7312	1025.0547	1039.9895	1052.6528	1066.5391	1081.1777	
3620.0	RA1.4707	994.6003	999.2102	1014.1104	1028.5034	1043.5061	1056.2417	1070.2341	1085.1426	
3630.0	RA4.71	997.8840	1002.5205	1017.4971	1031.9595	1046.0305	1059.6394	1073.9407	1089.1260	
3640.0	RA6.0073	1001.1733	1005.8357	1020.8894	1035.8224	1049.5625	1063.4470	1077.6594	1093.1279	
3650.0	RA1.2844	1004.4688	1009.1570	1024.2883	1038.8936	1053.1040	1067.0667	1081.3923	1097.1492	
3660.0	RA4.5654	1007.7650	1012.4834	1027.6943	1042.3716	1056.6561	1070.6914	1085.1384	1101.1887	
3670.0	RA7.8518	1011.0740	1015.8164	1031.1049	1045.8574	1060.2119	1074.3298	1088.8984	1105.2490	
3680.0	RA1.1433	1014.3862	1019.1543	1034.5259	1049.3511	1063.7786	1077.9775	1092.6719	1109.3281	
3690.0	RA4.4417	1017.7039	1022.4998	1037.9524	1052.8535	1067.3550	1081.6372	1096.4607	1113.8253	
3700.0	RA7.7444	1021.0271	1025.8506	1041.3865	1056.3625	1070.9395	1085.3066	1100.2637	1117.5664	
3710.0	RA1.0525	1024.3552	1029.2068	1044.8267	1059.8809	1074.5352	1089.9880	1104.0818	1121.8858	
3720.0	RA4.3677	1027.6914	1032.5713	1048.2759	1063.8072	1078.1159	1092.8807	1107.9163	1125.8466	
3730.0	RA7.6870	1031.0308	1035.9402	1051.7310	1066.9419	1081.7346	1096.3895	1111.7656	1130.0293	
3740.0	RA1.0134	1034.3777	1039.3174	1055.1948	1070.4861	1085.3792	1100.1028	1115.6318	1134.2324	
3750.0	RA4.3459	1037.7319	1042.7009	1058.6658	1074.0391	1089.0151	1103.8306	1119.5146	1138.5583	
3760.0	RA7.6836	1041.0918	1046.0901	1062.1450	1077.6013	1092.4599	1107.5767	1123.4188	1142.7051	
3770.0	RA1.0281	1044.4585	1049.4873	1065.6331	1081.1724	1096.3164	1111.3289	1127.3323	1146.3753	
3780.0	RA4.3784	1047.8318	1052.8901	1069.1277	1084.7532	1099.8839	1115.0979	1131.2673	1151.2683	
3790.0	RA7.7351	1051.2102	1056.3013	1072.6321	1088.3438	1103.6624	1118.8799	1135.2254	1155.5852	
3800.0	RA1.0091	1054.5972	1059.7195	1076.1445	1091.9443	1107.3570	1122.6755	1139.1951	1159.9250	
3810.0	RA4.4488	1057.9965	1063.1448	1079.6653	1095.5547	1111.0554	1126.4854	1143.1877	1164.2881	

PRESSURE = TEMPERATURE / DEGREES W	20.0000 FUEL/AIR RATIO		ENTHALPY									
	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067			
3420.0	1057.8445	1061.3890	1066.5774	1083.1951	1099.1748	1114.7688	1130.3101	1147.1992	1168.6746			
3430.0	1061.2285	1064.7971	1070.0176	1086.7346	1102.8066	1118.4951	1134.1492	1151.2314	1173.0869			
3440.0	1064.6182	1068.2112	1073.4651	1090.2817	1106.4468	1122.2332	1138.0028	1155.2810	1177.5232			
3450.0	1068.0149	1071.6335	1076.9204	1093.8391	1110.1008	1125.9846	1141.8743	1159.3564	1181.9849			
3460.0	1071.4194	1075.0625	1080.3840	1097.4060	1113.7637	1129.7483	1145.7600	1163.4512	1186.4719			
3470.0	1074.8301	1078.4989	1083.8549	1100.9832	1117.4387	1133.5264	1149.6621	1167.5679	1190.9829			
3480.0	1078.2493	1081.9424	1087.3157	1104.5686	1121.1248	1137.3171	1153.5803	1171.7075	1195.5212			
3490.0	1081.6741	1085.3950	1090.8245	1108.1653	1124.8228	1141.1228	1157.5173	1175.8691	1200.0888			
3500.0	1085.1074	1088.8550	1094.3210	1111.7710	1128.5327	1144.9407	1161.4702	1180.0544	1204.8785			
3510.0	1088.5489	1092.3220	1097.8257	1115.3875	1132.2546	1148.7747	1165.4404	1184.2642	1209.2944			
3520.0	1091.9966	1095.7986	1101.3401	1119.0144	1135.9897	1152.6228	1169.4294	1188.4971	1213.9399			
3530.0	1095.4576	1099.2822	1104.8623	1122.6523	1139.7366	1156.4858	1173.4360	1192.7549	1218.6138			
3540.0	1098.9165	1102.7751	1108.3938	1126.3010	1143.4966	1160.3650	1177.4622	1197.0383	1223.3132			
3550.0	1102.3899	1106.2766	1111.9346	1129.9609	1147.2700	1164.2585	1181.5076	1201.3462	1228.0420			
3560.0	1105.8701	1109.7866	1115.4849	1133.6323	1151.0569	1168.1689	1185.5735	1205.6829	1232.8000			
3570.0	1109.3594	1113.3052	1119.0447	1137.3147	1154.8572	1172.0957	1189.6577	1210.0449	1237.5867			
3580.0	1112.8562	1116.8323	1122.6135	1141.0088	1158.6769	1176.0383	1193.7642	1214.4371	1242.4026			
3590.0	1116.3621	1120.3691	1126.1926	1144.7146	1162.4598	1179.9962	1197.9908	1218.8501	1247.2483			
3600.0	1119.8767	1123.9150	1129.7827	1148.4331	1166.3418	1183.9756	1202.0386	1223.2952	1252.1233			

ENTHALPY										
PRESSURE = 30.0000										
TEMPERATURE = DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
2740.0	720.1254	722.2795	725.1975	734.7991	746.2141	753.4480	762.5066	771.3938	777.5159	784.0447
2750.0	723.2593	725.2249	728.1597	737.8367	747.2859	756.5732	765.6441	774.6226	780.7199	787.0467
2760.0	726.1934	728.1704	731.1223	740.8357	750.3584	759.6990	768.7623	777.6900	784.8310	791.0830
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	788.2819	794.5479
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	791.5784	797.8479
2790.0	735.0032	737.0142	740.0164	749.8455	759.5830	769.0840	778.4048	787.5489	794.8479	801.1102
2800.0	737.9419	739.9639	742.9834	752.9142	762.6602	772.2146	781.5879	790.7837	797.9817	804.1452
2810.0	740.8813	742.9148	745.9409	755.9417	765.7383	775.3467	784.7722	794.0198	801.3899	807.6628
2820.0	743.8218	745.8655	748.9109	758.9653	768.8176	778.4795	787.9580	797.2571	803.6628	809.9375
2830.0	746.7634	748.8196	751.8899	761.9923	771.8984	781.6140	791.1453	800.4961	806.9375	813.2131
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7943	810.2131	816.5905
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905	819.9690
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690	823.2686
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.8083	813.4646	820.0484	826.5836
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.2035	807.0994	816.8961	823.4296	829.9642
2890.0	764.4334	766.5586	769.7310	780.1409	790.4060	800.4456	810.2512	819.9545	826.5123	833.0814
2900.0	767.3823	769.5184	772.7080	783.2034	793.4949	803.5831	813.4900	823.2043	829.7942	836.3814
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.0479	839.6429
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.3041	842.9146
2930.0	776.2339	778.4045	781.6855	792.3101	802.7673	813.0237	823.0952	832.9541	839.5556	846.1662
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2002	842.8046	849.4152
2950.0	782.1399	784.3335	787.6089	798.3845	808.9543	819.3196	829.6980	839.4616	846.0354	852.6072
2960.0	785.0942	787.2996	790.5823	801.4283	811.9503	822.2695	832.6914	842.7195	849.2909	855.9123
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	836.0960	845.9766	852.6817	859.4083
2980.0	791.0066	793.2349	796.5623	807.5058	818.2446	828.7732	839.1021	849.2351	856.0453	862.8662
2990.0	793.9639	796.2019	799.5481	810.5525	821.3435	831.9245	842.3088	852.4946	859.5112	866.3326
3000.0	796.9224	799.1738	802.5356	813.5959	824.4436	835.0813	845.5173	855.7559	862.8066	869.8689
3010.0	799.8814	802.1444	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1089	873.2112
3020.0	802.8425	805.1149	808.5134	819.6887	830.6447	841.3945	851.9377	862.2817	869.4070	876.5483
3030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5866	872.7083	879.8452
3040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110	883.1614
3050.0	811.7297	814.0391	817.4875	828.8382	839.9604	850.8728	861.5779	872.0803	879.3149	886.5662
3060.0	814.6928	817.0433	820.5144	831.9172	843.1981	854.2632	865.1188	875.7706	882.6428	889.8219
3070.0	817.6559	820.1204	823.6035	835.0610	846.2931	857.3081	868.1094	878.7031	885.0168	891.9390
3080.0	820.6190	823.1941	826.6951	838.2078	849.6927	860.5557	871.6033	882.0400	888.3900	895.7524
3090.0	823.5821	826.2141	829.7898	841.3577	852.6943	863.4064	874.6997	885.3792	892.7761	900.1614
3100.0	826.5452	829.3516	832.8872	844.5107	855.8992	867.0596	877.9988	888.7212	895.4768	902.8314
3110.0	829.5083	832.3538	835.9871	847.6655	859.1064	870.3157	881.3015	892.0857	898.8391	905.6926
3120.0	832.4714	835.3195	839.0898	850.8258	862.3166	873.5759	884.6067	895.4433	902.3442	909.2996
3130.0	835.4345	838.2826	842.1956	853.9888	865.5300	876.8376	887.8148	898.7566	905.7427	912.7614
3140.0	838.3976	841.2457	845.3044	857.1497	868.7463	880.1030	891.2263	902.1201	909.1524	916.2314
3150.0	841.3607	844.2115	848.4158	860.3149	871.9658	883.3713	894.5408	905.4768	912.6114	919.7996
3160.0	844.3238	847.1882	851.5300	863.4871	875.1877	886.6436	897.8574	908.8391	915.9814	923.2114
3170.0	847.2869	850.1562	854.6670	866.6604	878.4131	889.9182	901.1782	912.2026	919.4991	926.8219
3180.0	850.2500	853.1204	857.7873	869.8304	881.6421	893.1958	904.5027	915.5708	922.8219	930.1614
3190.0	853.2131	856.0835	860.8904	873.0159	884.8740	896.4768	907.8296	918.9421	926.8518	934.6996
3200.0	856.1762	859.0466	864.0168	876.1987	888.1096	899.7612	911.1611	922.3176	930.2891	938.2114
3210.0	859.1393	862.0097	867.1660	879.3838	891.3474	903.0491	914.4951	925.6953	933.7317	941.8114
3220.0	862.1024	865.0095	870.2778	882.5737	894.5894	906.3396	917.8325	929.0779	937.1804	945.3326
3230.0	865.0655	867.9626	873.4131	885.7652	897.8345	909.6346	921.1741	932.4644	940.5362	948.6689
3240.0	868.0286	870.9257	876.5518	888.9612	901.0830	912.9329	924.5186	935.8567	944.0866	952.3114
3250.0	870.9917	873.8888	879.5149	892.0159	904.3367	916.2344	927.6672	939.2690	947.5664	955.8689
3260.0	873.9548	876.8519	882.4780	895.0334	907.5906	919.4494	931.2192	942.6682	951.0415	959.4219
3270.0	876.9179	879.8150	885.4411	898.0956	910.6496	922.4494	934.5752	946.0811	954.5233	963.0114

ENTHALPY

TEMPERATURE DEGREES F	30.0000 P/FIF-AIR RATIO	0.005 0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3240.0	842.4814	845.2766	849.1375	851.7776	854.1121	856.1619	857.9358	859.4575	860.8134
3250.0	845.4037	848.4124	852.4502	855.9807	859.3779	862.4783	865.2866	867.8694	870.2613
3260.0	848.3302	851.5515	855.4502	859.2061	862.8482	866.2985	869.5072	872.5252	875.3813
3270.0	851.2591	854.4944	858.4116	862.1285	865.6919	869.1235	872.4598	875.6370	878.6823
3280.0	854.1919	857.6396	861.3764	864.9777	868.4807	871.8914	875.2351	878.5371	881.7213
3290.0	857.1274	860.8495	864.6443	868.2660	871.7719	875.2351	878.5889	881.8558	885.0598
3300.0	860.0661	863.9161	867.7416	871.3919	874.9261	878.3985	881.8152	885.1923	888.5443
3310.0	863.0086	866.9071	870.6913	874.3023	877.8019	881.2467	884.6519	888.0323	891.3923
3320.0	865.9531	869.8914	873.6155	877.1619	880.6482	884.1199	887.4923	890.8598	894.2169
3330.0	868.9006	872.8789	876.4819	880.0619	883.5782	887.0849	890.5461	894.0072	897.4669
3340.0	871.8511	875.8694	879.5116	883.0419	886.5182	890.0006	893.4323	896.8598	900.2869
3350.0	874.8036	878.8519	882.5319	886.0119	889.4382	892.8598	896.2813	899.6989	903.1169
3360.0	877.7581	881.8314	885.5419	889.0519	892.5182	895.9789	899.3923	902.8049	906.2169
3370.0	880.7146	884.8189	888.5619	892.0819	895.5982	899.1089	902.5713	906.0323	909.4889
3380.0	883.6731	887.8089	891.5819	895.1319	898.6882	902.2319	905.7389	909.2469	912.7513
3390.0	886.6336	890.7914	894.6019	898.1819	901.7782	905.3219	908.8713	912.4219	915.9713
3400.0	889.5961	893.7789	897.6019	901.2219	904.8382	908.4319	912.0389	915.6469	919.2513
3410.0	892.5606	896.7689	900.5919	904.2019	907.8382	911.4319	915.0789	918.7213	922.3713
3420.0	895.5271	899.7589	903.6019	907.2319	910.8982	914.5319	918.2089	921.8913	925.5713
3430.0	898.4956	902.7489	906.6019	910.2519	913.9382	917.6019	921.3289	925.0413	928.7513
3440.0	901.4661	905.7414	909.6019	913.2519	917.0382	920.8319	924.6789	928.5213	932.3713
3450.0	904.4386	908.7389	912.6019	916.4319	920.2782	924.1319	928.0089	931.9213	935.8313
3460.0	907.4131	911.7389	915.6019	919.4319	923.3382	927.2519	931.2089	935.1713	939.1313
3470.0	910.3896	914.7389	918.6019	922.4319	926.3982	930.3719	934.3989	938.4713	942.5413
3480.0	913.3681	917.7389	921.6019	925.4319	929.4382	933.4719	937.5789	941.7213	945.8713
3490.0	916.3486	920.7389	924.6019	928.4319	932.5382	936.6019	940.7789	944.9713	949.1713
3500.0	919.3311	923.7389	927.6019	931.4319	935.6382	939.7719	943.9789	948.2413	952.5013
3510.0	922.3156	926.7389	930.6019	934.4319	938.7382	942.9719	947.2789	951.6413	955.9713
3520.0	925.3021	929.7389	933.6019	937.4319	941.8382	946.1719	950.5789	954.9713	959.4013
3530.0	928.2906	932.7389	936.6019	940.4319	944.7382	949.1719	953.7789	958.3713	962.9713
3540.0	931.2811	935.7389	939.6019	943.4319	947.8382	952.3719	957.0789	961.7713	966.4713
3550.0	934.2736	938.7389	942.6019	946.4319	950.9382	955.6019	960.4089	965.2013	970.0013
3560.0	937.2681	941.7389	945.6019	949.4319	953.9382	958.7719	963.7789	968.6713	973.6713
3570.0	940.2646	944.7389	948.6019	952.4319	956.9382	961.8719	966.8789	971.9713	977.0713
3580.0	943.2631	947.7389	951.6019	955.4319	959.9382	964.9719	970.0789	975.2713	980.4713
3590.0	946.2636	950.7389	954.6019	958.4319	962.9382	967.9719	973.2789	978.5713	983.8713
3600.0	949.2661	953.7389	957.6019	961.4319	966.0382	971.2719	976.7789	982.3713	987.8713
3610.0	952.2706	956.7389	960.6019	964.4319	969.0382	974.3719	980.0789	985.9713	991.4713
3620.0	955.2771	959.7389	963.6019	967.4319	972.0382	977.3719	983.4789	989.6713	995.9713
3630.0	958.2856	962.7389	966.6019	970.4319	975.0382	980.5719	986.8789	993.3713	999.9713
3640.0	961.2951	965.7389	969.6019	973.4319	978.1382	983.8719	990.3789	997.0713	1003.8713
3650.0	964.3066	968.7389	972.6019	976.4319	981.2382	987.0719	994.0789	1001.2713	1008.2713
3660.0	967.3191	971.7389	975.6019	979.4319	984.3382	990.3719	997.5789	1004.9713	1012.2713
3670.0	970.3336	974.7389	978.6019	982.4319	988.0382	994.4719	1002.0789	1009.9713	1017.9713
3680.0	973.3501	977.7389	981.6019	985.4319	991.0382	997.5719	1005.0789	1013.4713	1021.9713
3690.0	976.3686	980.7389	984.6019	988.4319	994.0382	1001.2719	1009.2789	1017.9713	1026.9713
3700.0	979.3891	983.7389	987.6019	991.4319	997.0382	1005.0719	1013.7789	1022.9713	1032.0713
3710.0	982.4116	986.7389	990.6019	994.4319	1000.0382	1008.2719	1017.0789	1026.9713	1036.9713
3720.0	985.4361	989.7389	993.6019	997.4319	1003.0382	1011.7719	1020.9789	1031.2713	1041.2713
3730.0	988.4626	992.7389	996.6019	1000.4319	1006.0382	1015.0719	1025.2789	1035.9713	1046.2713
3740.0	991.4911	995.7389	999.6019	1003.4319	1009.1382	1018.5719	1029.0789	1040.0713	1051.2713
3750.0	994.5216	998.7389	1002.6019	1006.4319	1012.2382	1022.0719	1033.0789	1044.9713	1056.9713
3760.0	997.5541	1001.7389	1005.6019	1009.4319	1015.2382	1025.5719	1037.0789	1051.2713	1063.9713
3770.0	1000.5886	1004.7389	1008.6019	1012.4319	1018.2382	1029.0719	1041.0789	1058.9713	1071.9713
3780.0	1003.6251	1007.7389	1011.6019	1015.4319	1021.2382	1032.5719	1045.0789	1067.9713	1081.9713
3790.0	1006.6636	1010.7389	1014.6019	1018.4319	1024.2382	1036.5719	1050.0789	1077.9713	1092.9713
3800.0	1009.7041	1013.7389	1017.6019	1021.4319	1027.2382	1039.0719	1054.0789	1084.9713	1100.9713
3810.0	1012.7466	1016.7389	1020.6019	1024.4319	1030.2382	1042.5719	1059.0789	1094.9713	1111.9713

PRESSURE = TEMPERATURE / DEGREES W	30.0000 FUEL/AIR RATIO	ENTHALPY									
		0.010	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090	0.100
3820.0	1054.4718	1060.3494	1061.8706	1097.6497	1113.0159	1128.5300	1144.4102	1164.2000	1184.4824	1204.4824	1224.4824
3830.0	1060.2102	1064.8799	1065.3726	1104.2358	1116.6868	1131.9988	1148.3428	1168.4824	1188.4824	1208.4824	1228.4824
3840.0	1067.5944	1067.1277	1068.8826	1104.8311	1120.3679	1135.7813	1152.2027	1172.7851	1193.4824	1214.2027	1234.9824
3850.0	1067.9673	1070.5215	1072.4014	1106.4360	1124.0615	1139.5771	1156.2020	1177.1135	1198.4824	1219.4824	1240.4824
3860.0	1070.3047	1073.9226	1075.9217	1112.0498	1129.7644	1143.3870	1160.2534	1181.4629	1202.4824	1223.4824	1244.4824
3870.0	1072.7292	1077.3289	1079.4522	1115.6738	1131.4797	1147.2102	1164.2534	1185.9367	1206.4824	1227.4824	1248.4824
3880.0	1077.1187	1080.7424	1103.0056	1119.3076	1135.2070	1151.0474	1168.2778	1190.2300	1211.4824	1232.4824	1253.4824
3890.0	1080.5144	1084.1641	1106.5584	1122.9519	1138.9456	1154.8997	1172.3218	1194.6487	1216.4824	1237.4824	1258.4824
3900.0	1081.7192	1087.5916	1110.1149	1126.6855	1142.6885	1158.7649	1176.3857	1199.0918	1221.4824	1242.4824	1263.4824
3910.0	1087.3291	1091.0261	1113.6890	1130.2708	1146.4592	1162.6465	1180.4697	1203.5596	1226.4824	1248.4824	1270.4824
3920.0	1090.7461	1094.4685	1117.2688	1133.9470	1150.2356	1166.5435	1184.5750	1208.0498	1231.4824	1253.4824	1275.4824
3930.0	1094.1704	1097.9175	1120.8549	1137.6315	1154.0247	1170.4563	1188.7014	1212.5654	1235.4824	1257.4824	1280.4824
3940.0	1097.6011	1101.3738	1124.4548	1141.3308	1157.8262	1174.3850	1192.8684	1217.1050	1240.4824	1262.4824	1285.4824
3950.0	1101.0344	1104.8384	1128.0627	1145.0396	1161.6414	1178.3303	1197.0195	1221.6709	1244.4824	1266.4824	1289.4824
3960.0	1104.4641	1108.3101	1131.6812	1148.7610	1165.4705	1182.2922	1201.2122	1226.2625	1249.4824	1271.4824	1294.4824
3970.0	1107.8940	1111.7908	1135.3081	1152.4914	1169.3130	1186.2710	1205.4270	1230.6801	1253.4824	1275.4824	1299.4824
3980.0	1111.3077	1115.2771	1138.9658	1156.2371	1173.1697	1190.2673	1209.6663	1235.5237	1258.4824	1280.4824	1304.4824
3990.0	1114.7455	1118.7725	1142.4629	1159.9934	1177.0417	1194.2820	1213.9290	1240.1926	1262.4824	1284.4824	1309.4824
4000.0	1118.1613	1122.2749	1146.2529	1163.7627	1180.9280	1198.3147	1218.2158	1244.4824	1266.4824	1288.4824	1314.4824

ENTHALPY

PRESSURE = TEMPERATURE DEGREES R	40.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.1254	722.2795	725.1975	736.7991	744.2141	753.4480	762.5066	771.3936	777.5159	
2750.0	723.1259	725.5249	728.1197	737.8187	747.2859	756.3732	765.6881	774.6226	780.3798	
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0647	
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110	
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2322	784.3149	790.5784	
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4068	787.5488	793.8479	
2800.0	737.9639	740.0164	742.0834	752.0182	762.6602	772.2146	781.5879	790.7837	797.1182	
2810.0	740.9419	743.0639	745.0909	755.0417	765.7283	775.3667	784.9722	794.0198	800.3899	
2820.0	743.9218	746.0442	748.0999	758.0663	768.8174	778.4795	787.9500	797.2571	803.6828	
2830.0	746.9034	749.0268	751.0899	761.0622	771.7984	781.6140	791.1453	800.4961	806.9375	
2840.0	749.8861	752.0100	754.0608	764.0390	774.9802	784.7495	794.3385	803.7363	810.2131	
2850.0	752.8697	755.0000	757.0471	767.0262	777.9632	787.6865	797.2234	806.6778	813.1905	
2860.0	755.8534	758.0000	760.0509	770.0300	781.0244	791.0244	800.7144	810.2905	816.7890	
2870.0	758.8371	761.0000	763.0500	773.0300	784.0324	794.1636	803.9063	813.4646	820.0488	
2880.0	761.8208	764.0000	766.0500	776.0300	787.0316	797.3035	807.0994	816.7897	823.3296	
2890.0	764.8045	767.0000	769.0500	779.0300	790.0406	800.4456	810.2992	819.9565	826.6123	
2900.0	767.7882	770.0000	772.0500	782.0300	793.0499	803.5881	813.4900	823.2043	829.8962	
2910.0	770.7719	773.0000	775.0500	785.0300	796.0545	806.7322	816.6570	826.4536	833.1814	
2920.0	773.7556	776.0000	778.0500	788.0300	799.0750	809.8770	819.8853	829.7041	836.6678	
2930.0	776.7393	779.0000	781.0500	791.0300	802.0771	813.0237	823.0832	832.9561	839.7556	
2940.0	779.7230	782.0000	784.0500	794.0300	805.0806	816.1711	826.2861	836.2092	843.0452	
2950.0	782.7067	785.0000	787.0500	797.0300	808.0946	819.3196	829.4980	839.4636	846.3354	
2960.0	785.6904	788.0000	790.0500	800.0300	811.0503	822.4695	832.6914	842.7195	849.6272	
2970.0	788.6741	791.0000	793.0500	803.0300	814.0446	825.8208	835.8960	845.9766	852.9209	
2980.0	791.6578	794.0000	796.0500	806.0300	817.0549	828.7732	839.1021	849.2351	856.2153	
2990.0	794.6415	797.0000	799.0500	809.0300	820.0598	831.9265	842.3088	852.4946	859.5112	
3000.0	797.6252	800.0000	802.0500	812.0300	823.0644	835.0813	845.5173	855.7559	862.8086	
3010.0	800.6089	803.0000	805.0500	815.0300	826.0644	838.2371	848.7268	859.0178	866.1069	
3020.0	803.5926	806.0000	808.0500	818.0300	829.0687	841.3945	851.9377	862.2817	869.4070	
3030.0	806.5763	809.0000	811.0500	821.0300	832.0702	844.5525	855.1497	865.5466	872.7083	
3040.0	809.5600	812.0000	814.0500	824.0300	835.0750	847.7122	858.3633	868.8130	876.0110	
3050.0	812.5437	815.0000	817.0500	827.0300	838.0604	850.8728	861.5779	872.0803	879.3149	
3060.0	815.5274	818.0000	820.0500	830.0300	841.0671	854.0347	864.7935	875.3491	882.6261	
3070.0	818.5111	821.0000	823.0500	833.0300	844.0753	857.1978	868.0107	878.6194	885.9270	
3080.0	821.4948	824.0000	826.0500	836.0300	847.0915	860.2682	871.2349	881.8954	889.2400	
3090.0	824.4785	827.0000	829.0500	839.0300	850.0910	863.3162	874.5288	885.2314	892.6150	
3100.0	827.4622	830.0000	832.0500	842.0300	853.0431	866.3672	877.8257	888.5693	895.9934	
3110.0	830.4459	833.0000	835.0500	845.0300	856.0464	869.4206	881.1243	891.9102	899.3765	
3120.0	833.4296	836.0000	838.0500	848.0300	859.0515	872.4779	884.2265	895.2554	902.7632	
3130.0	836.4133	839.0000	841.0500	851.0300	862.0529	875.5375	887.3319	898.6025	906.1543	
3140.0	839.3970	842.0000	844.0500	854.0300	865.0558	879.0004	891.0400	901.9529	909.5508	
3150.0	842.3807	845.0000	847.0500	857.0300	868.0595	882.1646	894.3503	905.3054	912.9500	
3160.0	845.3644	848.0000	850.0500	860.0300	871.0670	886.4336	897.6646	908.6624	916.3550	
3170.0	848.3481	851.0000	853.0500	863.0300	874.0749	889.7048	900.9814	912.0212	919.7639	
3180.0	851.3318	854.0000	856.0500	866.0300	877.0955	892.9792	904.3020	915.3848	923.1794	
3190.0	854.3155	857.0000	859.0500	869.0300	880.0643	896.2568	907.6245	918.7505	926.5986	
3200.0	857.2992	860.0000	862.0500	872.0300	883.0702	899.5376	910.9512	922.1208	930.0232	
3210.0	860.2829	863.0000	865.0500	875.0300	886.0811	902.8213	914.2805	925.4934	933.4539	
3220.0	863.2666	866.0000	868.0500	878.0300	889.0904	906.1044	917.6133	928.8888	936.8901	
3230.0	866.2503	869.0000	871.0500	881.0300	892.0908	909.3992	920.9507	932.2498	940.3315	
3240.0	869.2340	872.0000	874.0500	884.0300	895.0954	912.6529	924.2900	935.6338	943.7795	
3250.0	872.2177	875.0000	877.0500	887.0300	898.0935	915.9900	927.6328	939.0215	947.2327	
3260.0	875.2014	878.0000	880.0500	890.0300	901.0948	919.2908	930.9800	942.6131	950.6926	
3270.0	878.1851	881.0000	883.0500	893.0300	904.0966	922.5945	934.3303	945.8083	954.1594	

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PRESSURE * TEMPERATURE / FUEL/AIR RATIO		ENTHALPY				
DEGREES	R	0.005	0.007	0.010	0.020	0.030
3420.0	1056.2441	1059.6948	1064.7551	1064.7551	1081.0376	1096.6877
3430.0	1059.6891	1063.0601	1068.1504	1068.1504	1084.5071	1100.2456
3440.0	1062.9380	1066.4307	1071.5496	1071.5496	1087.9839	1103.8123
3450.0	1066.2937	1069.8076	1074.9563	1074.9563	1091.4888	1107.3887
3460.0	1069.6558	1073.1919	1078.3691	1078.3691	1094.9810	1110.9732
3470.0	1073.0227	1076.5798	1081.7900	1081.7900	1098.5000	1114.5657
3480.0	1076.3958	1079.9753	1085.2153	1085.2153	1102.0168	1118.1665
3490.0	1079.7751	1083.3777	1088.6487	1088.6487	1105.5787	1121.7786
3500.0	1083.1611	1086.7861	1092.0879	1092.0879	1109.0767	1125.3992
3510.0	1086.5522	1090.2012	1095.5349	1095.5349	1112.6184	1129.0288
3520.0	1089.9500	1093.6216	1098.9885	1098.9885	1116.1687	1132.6694
3530.0	1093.3545	1097.0503	1102.4490	1102.4490	1119.7275	1136.3191
3540.0	1096.7651	1100.4858	1105.9182	1105.9182	1123.2942	1139.9795
3550.0	1100.1829	1103.9263	1109.3940	1109.3940	1126.8706	1143.6494
3560.0	1103.6067	1107.3755	1112.8767	1112.8767	1130.4568	1147.3293
3570.0	1107.0383	1110.8315	1116.3679	1116.3679	1134.0503	1151.0205
3580.0	1110.4751	1114.3947	1119.8660	1119.8660	1137.6531	1154.7217
3590.0	1113.9194	1117.9651	1123.3721	1123.3721	1141.2689	1158.4353
4000.0	1117.371	1121.4249	1126.8865	1126.8865	1144.8587	1162.1594

50.000 PRESSURE = TEMPERATURE DEGREES F	FUEL/AIR RATIO W	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
220.0	125.0	122.2794	725.1975	736.7991	744.2141	751.6480	762.5066	771.3338	777.5159
225.0	126.0	125.2593	728.1597	737.8137	745.2859	756.5732	765.8641	774.6526	780.7799
230.0	127.0	126.2192	731.1223	740.8367	750.3584	759.4990	768.8623	777.8591	784.0421
235.0	128.0	127.1791	734.0859	743.8578	753.4137	762.8259	772.0417	781.0830	787.3110
240.0	129.0	128.1390	737.0503	746.8718	756.5066	765.9541	775.2322	784.3149	790.5764
245.0	130.0	129.0989	740.0144	749.8925	759.5830	769.0840	778.0068	787.5684	793.8479
250.0	131.0	130.0588	742.9814	752.9162	762.6602	772.2146	781.3479	790.7837	797.1182
255.0	132.0	131.0187	745.9417	755.9147	765.7383	775.3467	784.7722	794.0198	800.3899
260.0	133.0	131.9786	748.9199	758.9463	768.8176	778.4795	787.9580	797.2571	803.6625
265.0	134.0	132.9385	751.8994	761.9922	771.8244	781.6140	791.1453	800.4961	806.9378
270.0	135.0	133.8984	754.8604	765.0190	774.9802	784.7495	794.3335	803.7763	810.2131
275.0	136.0	134.8583	757.8214	768.0471	778.0.32	787.8865	797.5234	806.9774	813.4905
280.0	137.0	135.8182	760.7824	771.0762	781.0.77	791.0244	800.7142	810.2205	816.7690
285.0	138.0	136.7781	763.7434	774.1064	784.2324	794.1636	803.9063	813.4646	820.0486
290.0	139.0	137.7380	766.7044	777.1375	787.3166	797.3035	807.0984	816.7097	823.3294
295.0	140.0	138.6979	769.6654	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
300.0	141.0	139.6578	772.6264	783.2034	793.4949	804.5881	813.4900	823.2043	829.8962
305.0	142.0	140.6177	775.5874	786.2374	796.5845	807.6732	816.6870	826.4536	833.1814
310.0	143.0	141.5776	778.5484	789.2712	799.6750	809.4770	819.8852	829.7041	836.4678
315.0	144.0	142.5383	781.5094	792.3130	802.7671	813.0237	823.0852	832.9861	839.7566
320.0	145.0	143.4982	784.4704	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
325.0	146.0	144.4581	787.4314	798.3865	808.9546	819.3196	829.4940	839.4636	846.3354
330.0	147.0	145.4180	790.3924	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
335.0	148.0	146.3779	793.3534	804.4675	815.1467	825.6208	835.8960	845.9746	852.9204
340.0	149.0	147.3383	796.3144	807.5098	818.2446	828.7732	839.1021	849.2351	856.2193
345.0	150.0	148.2982	799.2754	810.5525	821.3435	831.9265	842.3048	852.4946	859.5112
350.0	151.0	149.2581	802.2364	813.5939	824.4416	835.0813	845.5173	855.7859	862.8086
355.0	152.0	150.2180	805.1974	816.6349	827.5044	838.2371	848.7268	859.0174	866.1059
360.0	153.0	151.1779	808.1584	819.6867	830.6467	841.3945	851.9377	862.2817	869.4070
365.0	154.0	152.1378	811.1193	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
370.0	155.0	153.0977	814.0804	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
375.0	156.0	154.0576	817.0415	828.8342	839.9604	850.8728	861.5779	872.5093	879.3169
380.0	157.0	155.0174	820.0027	831.8850	843.0671	854.0347	864.7935	875.3691	882.6201
385.0	158.0	155.9773	822.9639	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
390.0	159.0	156.9372	825.9250	837.8087	849.2844	860.3621	871.2292	881.8909	889.2369
395.0	160.0	157.8969	828.8861	840.6819	852.3950	863.5276	874.4692	885.1638	892.5457
400.0	161.0	158.8566	831.8472	843.5937	855.5337	866.7197	877.4921	888.4563	895.8545
405.0	162.0	159.8163	834.8083	846.7019	858.6719	869.9197	880.9895	891.7954	899.2515
410.0	163.0	160.7760	837.7688	849.8041	861.8438	873.2261	884.2866	895.1375	902.6338
415.0	164.0	161.7357	840.7293	852.9063	864.9560	876.4839	887.5928	899.4419	906.0190
420.0	165.0	162.6954	843.6908	856.0085	868.0684	879.7444	890.8987	901.8289	909.4084
425.0	166.0	163.6551	846.6520	859.1107	871.5793	883.0076	894.2068	905.1787	912.8018
430.0	167.0	164.6148	849.6135	862.2129	874.7964	886.2734	897.5178	908.5322	916.2002
435.0	168.0	165.5745	852.5750	865.2651	878.0176	889.5425	900.8323	911.8982	919.6021
440.0	169.0	166.5342	855.5361	868.3173	881.2407	892.8149	904.1501	915.2480	923.6095
445.0	170.0	167.4949	858.4972	871.3696	884.4673	896.0894	907.4695	918.6104	926.6207
450.0	171.0	168.4556	861.4583	874.4819	887.6973	899.3679	910.7935	921.9528	929.6381
455.0	172.0	169.4163	864.4194	877.5966	890.9294	902.6489	914.1194	925.3452	933.2598
460.0	173.0	170.3770	867.3805	880.7111	894.1653	905.9333	917.4493	928.7170	936.6804
465.0	174.0	171.3377	870.3416	883.7722	897.4043	909.2209	920.7827	932.0933	940.1109
470.0	175.0	172.2984	873.3027	886.8238	900.6460	912.5115	924.1189	935.4722	943.5564
475.0	176.0	173.2591	876.2638	889.8745	903.6911	915.4054	927.4583	938.8550	947.0002
480.0	177.0	174.2198	879.2249	892.9252	906.7362	918.2999	930.8009	942.2417	950.4495
485.0	178.0	175.1805	881.1860	895.9763	909.7813	921.1950	933.6475	945.0846	953.9001

PRESSURE = 50.0000		ENTHALPY									
TEMPERATURE / FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
DEGREES K											
3820.0	1055.7841	1059.2122	1064.2405	1080.4219	1095.6993	1111.1426	1126.0368	1141.5122	1159.3909		
3830.0	1059.1223	1062.5662	1067.6223	1083.8853	1099.3384	1114.7568	1129.7371	1145.3430	1163.5325		
3840.0	1062.4606	1065.9250	1071.0093	1087.3550	1103.0854	1118.3799	1133.4453	1149.1873	1167.6929		
3850.0	1065.8062	1069.2905	1074.4036	1090.8337	1106.6411	1122.0122	1137.1658	1153.0474	1171.8730		
3860.0	1069.1558	1072.6614	1077.8035	1094.3186	1110.2048	1125.6533	1140.4955	1156.9224	1176.0718		
3870.0	1072.5117	1076.0388	1081.2047	1097.8113	1113.7761	1129.3049	1144.6370	1160.8120	1180.2917		
3880.0	1075.8735	1079.4216	1084.6208	1101.3098	1117.3552	1133.9656	1148.3906	1164.7178	1184.5310		
3890.0	1079.2407	1082.8110	1088.0393	1104.8174	1120.9446	1136.6360	1152.1565	1168.6396	1188.7910		
3900.0	1082.6133	1086.2046	1091.4636	1108.3320	1124.5415	1140.3171	1155.9333	1172.5769	1193.0713		
3910.0	1085.9927	1089.6055	1094.8962	1111.8538	1128.1477	1144.0083	1159.7241	1176.5320	1197.3721		
3920.0	1089.3755	1093.0122	1098.3337	1115.3835	1131.7634	1147.7095	1163.5264	1180.5039	1201.6946		
3930.0	1092.7676	1096.4258	1101.7791	1118.9216	1135.3867	1151.4219	1167.3416	1184.4937	1206.0381		
3940.0	1096.1646	1099.8459	1105.2300	1122.4675	1139.0210	1155.1448	1171.1702	1188.5002	1210.4038		
3950.0	1099.5674	1103.2729	1108.6887	1126.0220	1142.6576	1158.8789	1175.0125	1192.5254	1214.7903		
3960.0	1102.9768	1106.7061	1112.1536	1129.5845	1146.3164	1162.8240	1179.8894	1196.5691	1219.2004		
3970.0	1106.3923	1110.1450	1115.6282	1133.1553	1149.9792	1166.3921	1182.7385	1200.6316	1223.6318		
3980.0	1109.8140	1113.5913	1119.1067	1136.7344	1153.6514	1170.1501	1186.6221	1204.7134	1228.0862		
3990.0	1113.2429	1117.0454	1122.5947	1140.3230	1157.3340	1173.9307	1190.5208	1208.8152	1232.5635		
4000.0	1116.6787	1120.5051	1126.0894	1143.9199	1161.0278	1177.7239	1194.4366	1212.9368	1237.0647		

ENTHALPY

TEMPERATURE DEGREES R	100.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.1254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159	780.7798
2750.0	723.2593	725.2249	728.1597	737.8147	747.2859	756.5732	765.6841	774.6226	779.5211	784.0527
2760.0	726.1934	728.1704	731.1223	740.8347	750.3584	759.6900	768.8623	777.8521	782.0830	787.3110
2770.0	729.1242	731.1172	734.0459	743.8538	753.4319	762.8259	772.0417	781.0830	785.3149	790.5784
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	788.5479	793.8479
2790.0	735.0032	737.0142	740.0164	749.8955	759.5430	768.9860	778.2048	787.2048	791.1182	796.0399
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2168	781.5879	790.7837	794.0198	798.3899
2810.0	740.8813	742.9148	745.9509	755.9417	765.7363	775.3475	784.7722	793.9580	797.2571	801.6828
2820.0	743.8214	745.8655	748.9199	758.9883	768.8176	778.4795	787.9580	797.2571	800.4961	804.3578
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	803.7353	807.6123
2840.0	749.7061	751.7737	754.8508	765.0190	774.9802	784.7495	794.3335	803.7353	806.9778	810.9131
2850.0	752.6497	754.7288	757.8330	768.0471	777.9632	787.8865	797.5234	806.9778	810.2205	814.1590
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	813.4646	817.4030
2870.0	758.5394	760.6414	763.7800	774.1064	784.2324	794.1636	803.8063	813.4646	816.7097	820.6484
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0094	816.7097	820.9592	824.9086
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	824.9086	828.8597
2900.0	767.3823	769.5186	772.7040	783.2034	793.4949	803.5881	813.4900	823.2043	828.1638	832.1177
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	831.4114	835.3703
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	834.6678	838.6352
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	837.8378	841.8117
2940.0	779.1865	781.3687	784.6270	795.3679	805.8606	816.1711	826.2861	836.2092	841.0919	845.0670
2950.0	782.1399	784.3335	787.6089	798.3865	808.9566	819.3196	829.4880	839.4636	844.3354	848.3117
2960.0	785.0947	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	847.5870	851.5633
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	850.8470	854.8233
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	854.1067	858.0830
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	857.3661	861.3423
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	860.6270	864.6033
3010.0	799.8814	802.1448	805.5237	816.6421	827.5444	838.2831	848.7268	859.0178	863.9009	867.8770
3020.0	802.8425	805.1169	808.4134	819.4847	830.6467	841.3945	851.7977	862.2817	867.1547	871.1299
3030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	870.4207	874.3959
3040.0	808.7664	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	873.6861	877.6592
3050.0	811.7297	814.0391	817.4475	828.8342	839.9604	850.8728	861.5779	872.0803	876.9531	881.0263
3060.0	814.6941	817.0154	820.4812	831.8850	843.0671	853.9367	864.7935	875.5491	880.4221	884.3952
3070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	883.5009	887.4740
3080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	886.7540	890.7181
3090.0	823.5940	825.9500	829.4483	841.0439	852.3950	863.5276	874.4492	885.1638	890.0269	893.9910
3100.0	826.5620	828.9297	832.4656	844.0986	855.5051	866.6941	877.6697	888.4375	893.3009	897.2650
3110.0	829.5315	831.9111	835.4441	847.1548	858.6167	869.8618	880.8916	891.7129	896.5760	900.5401
3120.0	832.5023	834.8933	838.4639	850.2124	861.7327	873.0313	884.1152	895.0897	899.9528	903.9169
3130.0	835.4734	837.8762	841.4644	853.2703	864.8472	876.2012	887.3398	898.2673	903.1309	907.0950
3140.0	838.4458	840.8604	844.4661	856.3296	867.9631	879.3726	890.5657	901.5466	906.4111	910.3762
3150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	909.6927	913.5588
3160.0	844.3939	846.8294	850.4603	862.5364	874.2771	885.7913	897.0852	908.1619	912.9272	916.7933
3170.0	847.3680	849.8120	853.4699	865.7007	877.4924	889.0544	900.3923	911.5090	916.2741	920.0392
3180.0	850.3425	852.7964	856.4832	868.8677	880.7702	892.3166	903.7029	914.9594	920.0344	924.8005
3190.0	853.3172	855.7804	859.4989	872.0364	883.9304	895.5804	907.0149	918.2126	923.1877	927.9538
3200.0	856.2923	858.7656	862.5382	875.2095	887.1545	898.8599	910.3313	921.5886	926.5637	931.5388
3210.0	859.2674	861.7507	865.5732	878.3853	890.3804	902.1335	913.6494	924.9270	929.9021	934.8772
3220.0	862.2425	864.7358	868.6083	881.5633	893.6101	905.4104	917.0702	928.2888	933.2639	938.2390
3230.0	865.2176	867.7209	871.5934	884.6451	896.8423	908.6904	920.2952	931.6541	936.6292	941.6043
3240.0	868.1927	870.7060	874.5785	887.7290	899.9767	911.9727	923.6215	935.0212	940.0063	944.9814
3250.0	871.1678	873.6911	877.5636	890.8451	903.3145	915.2581	926.9517	938.3918	943.3669	948.3420
3260.0	874.1429	876.6762	880.5487	893.8892	906.5557	918.5466	930.2839	941.7854	946.7605	951.7356
3270.0	877.1180	879.6613	883.5338	896.9323	909.7998	921.8391	933.6204	945.1423	950.1174	955.0925

PRESSURE = 100.0000		ENTHALPY	
TEMPERATURE /	FUEL/AIR RATIO		
DEGREES R			
3200.0	0.005	0.010	0.020
3200.0	881.6343	888.6647	900.6966
3200.0	884.7483	891.2078	903.6933
3300.0	887.8623	893.7290	906.6900
3300.0	890.9763	896.2502	909.6867
3300.0	894.0903	898.7714	912.6834
3300.0	897.2043	901.2926	915.6801
3300.0	900.3183	903.8138	918.6768
3300.0	903.4323	906.3350	921.6735
3300.0	906.5463	908.8562	924.6702
3300.0	909.6603	911.3774	927.6669
3300.0	912.7743	913.8986	930.6636
3300.0	915.8883	916.4198	933.6603
3300.0	918.9993	918.9410	936.6570
3300.0	922.1133	921.4622	939.6537
3300.0	925.2273	923.9834	942.6504
3300.0	928.3413	926.5046	945.6471
3300.0	931.4553	929.0258	948.6438
3300.0	934.5693	931.5470	951.6405
3300.0	937.6833	934.0682	954.6372
3300.0	940.7973	936.5894	957.6339
3300.0	943.9113	939.1106	960.6306
3300.0	947.0253	941.6318	963.6273
3300.0	950.1393	944.1530	966.6240
3300.0	953.2533	946.6742	969.6207
3300.0	956.3673	949.1954	972.6174
3300.0	959.4813	951.7166	975.6141
3300.0	962.5953	954.2378	978.6108
3300.0	965.7093	956.7590	981.6075
3300.0	968.8233	959.2802	984.6042
3300.0	971.9373	961.8014	987.6009
3300.0	975.0513	964.3226	990.5976
3300.0	978.1653	966.8438	993.5943
3300.0	981.2793	969.3650	996.5910
3300.0	984.3933	971.8862	999.5877
3300.0	987.5073	974.4074	1002.5844
3300.0	990.6213	976.9286	1005.5811
3300.0	993.7353	979.4498	1008.5778
3300.0	996.8493	981.9710	1011.5745
3300.0	999.9633	984.4922	1014.5712
3300.0	1003.0773	987.0134	1017.5679
3300.0	1006.1913	989.5346	1020.5646
3300.0	1009.3053	992.0558	1023.5613
3300.0	1012.4193	994.5770	1026.5580
3300.0	1015.5333	997.0982	1029.5547
3300.0	1018.6473	999.6194	1032.5514
3300.0	1021.7613	1002.1406	1035.5481
3300.0	1024.8753	1004.6618	1038.5448
3300.0	1027.9893	1007.1830	1041.5415
3300.0	1031.1033	1009.7042	1044.5382
3300.0	1034.2173	1012.2254	1047.5349
3300.0	1037.3313	1014.7466	1050.5316
3300.0	1040.4453	1017.2678	1053.5283
3300.0	1043.5593	1019.7890	1056.5250
3300.0	1046.6733	1022.3102	1059.5217
3300.0	1049.7873	1024.8314	1062.5184
3300.0	1052.9013	1027.3526	1065.5151
3300.0	1056.0153	1029.8738	1068.5118
3300.0	1059.1293	1032.3950	1071.5085
3300.0	1062.2433	1034.9162	1074.5052
3300.0	1065.3573	1037.4374	1077.5019
3300.0	1068.4713	1039.9586	1080.4986
3300.0	1071.5853	1042.4798	1083.4953
3300.0	1074.6993	1045.0010	1086.4920
3300.0	1077.8133	1047.5222	1089.4887
3300.0	1080.9273	1050.0434	1092.4854
3300.0	1084.0413	1052.5646	1095.4821
3300.0	1087.1553	1055.0858	1098.4788
3300.0	1090.2693	1057.6070	1101.4755
3300.0	1093.3833	1060.1282	1104.4722
3300.0	1096.4973	1062.6494	1107.4689
3300.0	1099.6113	1065.1706	1110.4656
3300.0	1102.7253	1067.6918	1113.4623
3300.0	1105.8393	1070.2130	1116.4590
3300.0	1108.9533	1072.7342	1119.4557
3300.0	1112.0673	1075.2554	1122.4524
3300.0	1115.1813	1077.7766	1125.4491
3300.0	1118.2953	1080.2978	1128.4458
3300.0	1121.4093	1082.8190	1131.4425
3300.0	1124.5233	1085.3402	1134.4392
3300.0	1127.6373	1087.8614	1137.4359
3300.0	1130.7513	1090.3826	1140.4326
3300.0	1133.8653	1092.9038	1143.4293
3300.0	1136.9793	1095.4250	1146.4260
3300.0	1140.0933	1097.9462	1149.4227
3300.0	1143.2073	1100.4674	1152.4194
3300.0	1146.3213	1102.9886	1155.4161
3300.0	1149.4353	1105.5098	1158.4128
3300.0	1152.5493	1108.0310	1161.4095
3300.0	1155.6633	1110.5522	1164.4062
3300.0	1158.7773	1113.0734	1167.4029
3300.0	1161.8913	1115.5946	1170.3996
3300.0	1165.0053	1118.1158	1173.3963
3300.0	1168.1193	1120.6370	1176.3930
3300.0	1171.2333	1123.1582	1179.3897
3300.0	1174.3473	1125.6794	1182.3864
3300.0	1177.4613	1128.2006	1185.3831
3300.0	1180.5753	1130.7218	1188.3798
3300.0	1183.6893	1133.2430	1191.3765
3300.0	1186.8033	1135.7642	1194.3732
3300.0	1189.9173	1138.2854	1197.3699
3300.0	1193.0313	1140.8066	1200.3666
3300.0	1196.1453	1143.3278	1203.3633
3300.0	1199.2593	1145.8490	1206.3600
3300.0	1202.3733	1148.3702	1209.3567
3300.0	1205.4873	1150.8914	1212.3534
3300.0	1208.6013	1153.4126	1215.3501
3300.0	1211.7153	1155.9338	1218.3468
3300.0	1214.8293	1158.4550	1221.3435
3300.0	1217.9433	1160.9762	1224.3402
3300.0	1221.0573	1163.4974	1227.3369
3300.0	1224.1713	1166.0186	1230.3336
3300.0	1227.2853	1168.5398	1233.3303
3300.0	1230.3993	1171.0610	1236.3270
3300.0	1233.5133	1173.5822	1239.3237
3300.0	1236.6273	1176.1034	1242.3204
3300.0	1239.7413	1178.6246	1245.3171
3300.0	1242.8553	1181.1458	1248.3138
3300.0	1245.9693	1183.6670	1251.3105
3300.0	1249.0833	1186.1882	1254.3072
3300.0	1252.1973	1188.7094	1257.3039
3300.0	1255.3113	1191.2306	1260.3006
3300.0	1258.4253	1193.7518	1263.2973
3300.0	1261.5393	1196.2730	1266.2940
3300.0	1264.6533	1198.7942	1269.2907
3300.0	1267.7673	1201.3154	1272.2874
3300.0	1270.8813	1203.8366	1275.2841
3300.0	1273.9953	1206.3578	1278.2808
3300.0	1277.1093	1208.8790	1281.2775
3300.0	1280.2233	1211.4002	1284.2742
3300.0	1283.3373	1213.9214	1287.2709
3300.0	1286.4513	1216.4426	1290.2676
3300.0	1289.5653	1218.9638	1293.2643
3300.0	1292.6793	1221.4850	1296.2610
3300.0	1295.7933	1224.0062	1299.2577
3300.0	1298.9073	1226.5274	1302.2544
3300.0	1302.0213	1229.0486	1305.2511
3300.0	1305.1353	1231.5698	1308.2478
3300.0	1308.2493	1234.0910	1311.2445
3300.0	1311.3633	1236.6122	1314.2412
3300.0	1314.4773	1239.1334	1317.2379
3300.0	1317.5913	1241.6546	1320.2346
3300.0	1320.7053	1244.1758	1323.2313
3300.0	1323.8193	1246.6970	1326.2280
3300.0	1326.9333	1249.2182	1329.2247
3300.0	1330.0473	1251.7394	1332.2214
3300.0	1333.1613	1254.2606	1335.2181
3300.0	1336.2753	1256.7818	1338.2148
3300.0	1339.3893	1259.3030	1341.2115
3300.0	1342.5033	1261.8242	1344.2082
3300.0	1345.6173	1264.3454	1347.2049
3300.0	1348.7313	1266.8666	1350.2016
3300.0	1351.8453	1269.3878	1353.1983
3300.0	1354.9593	1271.9090	1356.1950
3300.0	1358.0733	1274.4302	1359.1917
3300.0	1361.1873	1276.9514	1362.1884
3300.0	1364.3013	1279.4726	1365.1851
3300.0	1367.4153	1281.9938	1368.1818
3300.0	1370.5293	1284.5150	1371.1785
3300.0	1373.6433	1287.0362	1374.1752
3300.0	1376.7573	1289.5574	1377.1719
3300.0	1379.8713	1292.0786	1380.1686
3300.0	1382.9853	1294.5998	1383.1653
3300.0	1386.0993	1297.1210	1386.1620
3300.0	1389.2133	1299.6422	1389.1587
3300.0	1392.3273	1302.1634	1392.1554
3300.0	1395.4413	1304.6846	1395.1521
3300.0	1398.5553	1307.2058	1398.1488
3300.0	1401.6693	1309.7270	1401.1455
3300.0	1404.7833	1312.2482	1404.1422
3300.0	1407.8973	1314.7694	1407.1389
3300.0	1411.0113	1317.2906	1410.1356
3300.0	1414.1253	1319.8118	1413.1323
3300.0	1417.2393	1322.3330	1416.1290
3300.0	1420.3533	1324.8542	1419.1257
3300.0	1423.4673	1327.3754	1422.1224
3300.0	1426.5813	1329.8966	1425.1191
3300.0	1429.6953	1332.4178	1428.1158
3300.0	1432.8093	1334.9390	1431.1125
3300.0	1435.9233	1337.4602	1434.1092
3300.0	1439.0373	1340.0014	1437.1059
3300.0	1442.1513	1342.5226	1440.1026
3300.0	1445.2653	1345.0438	1443.0993
3300.0	1448.3793	1347.5650	1446.0960
3300.0	1451.4933	1350.0862	1449.0927
3300.0	1454.6073	1352.6074	1452.0894
3300.0	1457.7213	1355.1286	1455.0861
3300.0	1460.8353	1357.6498	1458.0828
3300.0	1463.9493	1360.1710	1461.0795
3300.0	1467.0633	1362.6922	1464.0762
3300.0	1470.1773	1365.2134	1467.0729
3300.0	1473.2913	1367.7346	1470.0696
3300.0	1476.4053	1370.2558	1473.0663
3300.0	1479.5193	1372.7770	1476.0630
3300.0	1482.6333	1375.2982	1479.0597
3300.0	1485.7473	1377.8194	1482.0564
3300.0	1488.8613	1380.3406	1485.0531
3300.0	1491.9753	1382.8618	1488.0498
3300.0	1495.0893	1385.3830	1491.0465
3300.0	1498.2033	1387.9042	1494.0432
3300.0	1501.3173	1390.4254	1497.0399
3300.0	1504.4313	1392.9466	1500.0366
3300.0	1507.5453	1395.4678	1503.0333
3300.0	1510.6593	1397.9890	1506.0300
3300.0	1513.7733	1400.5102	1509.0267
3300.0	1516.8873	1403.0314	1512.0234
3300.0	1520.0013	1405.5526	1515.0201
3300.0	1523.1153	1408.0738	1518.0168
3300.0	1526.2293	1410.5950	

ENTHALPY										
PRESSURE = TEMPERATURE DEGREES N	100-0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.087
3820.0	1054.5066	1057.8630	1062.8064	1078.7588	1094.1392	1109.0893	1123.6655	1138.4475	1154.1133	1186.8282
3830.0	1057.8145	1061.1887	1066.1565	1082.1826	1097.6296	1112.6252	1127.2893	1142.1714	1158.0864	1191.8067
3840.0	1061.1265	1064.5188	1069.5112	1085.6123	1101.1265	1116.1865	1130.9207	1145.9063	1162.0867	1196.1096
3850.0	1064.4441	1067.8545	1072.8723	1089.0476	1104.6304	1119.7556	1134.5613	1149.6523	1166.1096	1201.1396
3860.0	1067.7646	1071.1943	1076.2380	1092.6888	1108.1399	1123.3325	1138.2100	1153.0102	1170.1396	1206.1870
3870.0	1071.0916	1074.5396	1079.6089	1095.9358	1111.6545	1126.9170	1141.8674	1157.1797	1174.1870	1211.2500
3880.0	1074.4234	1077.8901	1082.9849	1099.3892	1115.1792	1130.5081	1145.5334	1160.9609	1178.2500	1216.3315
3890.0	1077.7595	1081.2454	1086.3667	1102.8486	1118.7104	1133.1084	1147.9102	1163.7544	1180.5610	1221.4282
3900.0	1081.1011	1084.6052	1089.7529	1106.3135	1122.2473	1137.7161	1152.8950	1168.9510	1185.6282	1226.5307
3910.0	1084.4475	1087.9712	1093.1640	1109.7864	1125.7915	1141.3318	1156.5898	1172.3796	1189.5430	1231.6433
3920.0	1087.7976	1091.3416	1096.5419	1113.2642	1129.3428	1144.9586	1160.2949	1176.2117	1193.6723	1236.7564
3930.0	1091.1536	1094.7173	1099.9445	1116.7495	1132.9021	1148.5884	1164.0095	1180.0569	1197.8254	1241.8695
3940.0	1094.5151	1098.0991	1103.3564	1120.2405	1136.4692	1152.2292	1167.7346	1183.9163	1202.9929	1246.9826
3950.0	1097.8813	1101.4854	1106.7708	1123.7383	1140.0427	1155.8787	1171.4692	1187.7888	1207.1787	1252.1057
3960.0	1101.2539	1104.8782	1110.1921	1127.2437	1143.6255	1159.5376	1175.2151	1191.6740	1211.3831	1257.2188
3970.0	1104.6309	1108.2766	1113.6184	1130.7554	1147.2146	1163.2081	1178.9714	1195.3776	1215.6060	1262.3319
3980.0	1108.0134	1111.6797	1117.0508	1134.2729	1150.8123	1166.8826	1182.7390	1199.6939	1219.8472	1267.4450
3990.0	1111.4009	1115.0881	1120.4897	1137.7901	1154.4180	1170.5884	1186.5176	1203.4260	1224.1072	1272.5581
4000.0	1114.7942	1118.5037	1123.9338	1141.3323	1158.0317	1174.2642	1190.3076	1207.3726	1228.3817	1277.6712

PRESSURE = 200.0000		ENTHALPY									
TEMPERATURE / FUEL/AIR RATIO											
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
750.0	720.3254	722.2795	725.1975	734.7991	744.2141	751.4480	762.5066	771.3938	777.5159		
750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6224	780.7798		
750.0	726.1934	728.1704	731.1223	740.8167	750.3584	759.6990	768.8623	777.8521	784.7647		
770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110		
780.0	732.0653	734.0647	737.0503	746.8738	756.5066	765.9540	775.2222	784.3149	790.5764		
790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8768		
800.0	737.9419	739.9639	742.9834	752.9182	762.6082	772.2146	781.7518	790.7837	797.1182		
810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899		
820.0	743.8218	745.8625	748.9189	758.9663	768.8176	778.4795	787.8580	797.0571	803.5628		
830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375		
840.0	749.7061	751.7737	754.8514	765.0190	774.9802	784.7495	794.3335	803.7163	810.2131		
850.0	752.6497	754.7284	757.8330	768.0471	778.0632	787.8855	797.5234	806.9772	813.4905		
860.0	755.5946	757.6846	760.8059	771.0762	781.1672	791.0264	800.7144	810.2205	816.7690		
870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488		
880.0	761.4841	763.5934	766.7546	777.1375	787.3186	797.3035	807.0396	816.7097	823.3296		
890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4486	810.2942	819.9565	826.6123		
900.0	767.3823	769.5186	772.7080	783.2014	793.4949	803.5881	813.4900	823.2043	829.8962		
910.0	770.3320	772.4795	775.6865	786.5378	796.5845	806.7322	816.4870	826.4536	833.1814		
920.0	773.2820	775.4412	778.6653	789.5732	799.6750	809.8770	819.4853	829.7041	836.4678		
930.0	776.2339	778.4045	781.6455	792.6101	802.7673	813.0237	823.0852	832.9561	839.7554		
940.0	779.1865	781.3687	784.6270	795.5679	805.8084	816.1711	826.2461	836.2882	843.0852		
950.0	782.1393	784.3335	787.6089	798.4865	808.9546	819.3196	829.4880	839.4636	846.3354		
960.0	785.0942	787.2994	790.5923	801.4263	812.0503	822.4695	832.4914	842.7195	849.6272		
970.0	788.0500	790.2644	793.5747	804.4675	815.1667	825.6208	835.8960	845.9746	852.9209		
980.0	791.0044	793.2349	796.5623	807.5098	818.2646	828.7732	839.1021	849.2351	856.2153		
990.0	793.9634	796.2039	799.5481	810.5525	821.3635	831.9255	842.3048	852.4946	859.5112		
1000.0	796.9224	799.1733	802.5356	813.5969	824.4236	835.0813	845.5173	855.7559	862.8084		
1010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069		
1020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3965	851.9377	862.2817	869.4070		
1030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083		
1040.0	808.7666	811.0642	814.4954	825.7849	836.8950	847.7122	858.3533	868.8130	876.0110		
1050.0	811.7297	814.0391	817.4875	828.8342	839.9804	850.8728	861.5779	872.0803	879.3149		
1060.0	814.6941	817.0154	820.4812	831.8850	843.0871	853.9337	864.7915	875.3491	882.6201		
1070.0	817.6590	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270		
1080.0	820.6262	822.9707	826.4714	837.8897	849.2844	860.5621	871.7292	882.6909	889.2549		
1090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447		
1100.0	826.5620	828.9297	832.4656	844.0986	855.5061	866.4961	877.6697	888.4375	895.8550		
1110.0	829.5315	831.9111	835.4661	847.1548	858.6187	869.8618	880.8916	891.7129	899.1667		
1120.0	832.5022	834.8933	838.4639	850.3124	861.7327	873.0313	884.1152	894.9897	902.6085		
1130.0	835.4734	837.8762	841.4664	853.2703	864.8472	876.2012	887.3398	898.2673	905.7949		
1140.0	838.4458	840.8604	844.4661	856.3296	867.9831	879.3726	890.5657	901.5466	909.1111		
1150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	912.4287		
1160.0	844.3940	846.8320	850.4729	862.4521	874.1987	885.7182	897.0215	908.1694	915.7676		
1170.0	847.3694	849.8198	853.4778	865.3149	877.3181	888.8945	900.2512	911.3928	919.0676		
1180.0	850.3457	852.8074	856.4834	868.3782	880.4385	892.0706	903.4817	914.6770	922.3887		
1190.0	853.3230	855.7966	859.4902	871.4433	883.5601	895.2480	906.7139	917.9629	925.7117		
1200.0	856.3015	858.7869	862.4983	874.7092	886.8831	898.4255	909.9475	921.2560	928.0356		
1210.0	859.2808	861.8176	865.5461	877.8132	889.8418	901.6377	913.2100	924.5603	932.3831		
1220.0	862.2615	864.8209	868.4660	880.8871	893.0857	904.9087	916.5254	927.8138	935.7685		
1230.0	865.2466	867.8273	871.4886	884.1636	896.2932	908.1831	919.8423	931.2705	939.1609		
1240.0	868.2340	870.8445	874.5148	887.3433	899.5255	911.4593	923.1614	934.6282	942.4564		
1250.0	871.2241	873.8741	877.5145	890.5256	902.7546	914.7383	926.4849	937.9907	945.9534		
1260.0	874.2162	876.9162	880.5176	893.7100	905.9893	918.0203	929.8866	941.3550	949.3333		
1270.0	877.2106	880.4780	884.3083	896.8977	909.2273	921.3052	933.1379	944.7214	952.7598		

ENTHALPY

TEMPERATURE OF REES	200.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3290.0	981.0188	983.5977	987.4453	990.0879	912.4678	915.2109	924.5923	936.4853	948.0918	956.1689
3290.0	986.1292	986.7200	990.5850	993.2820	903.0820	906.8280	927.8828	939.8020	951.4641	959.5820
3300.0	981.1438	985.4438	989.3188	992.0234	906.4740	910.2280	931.1755	943.1382	954.8391	962.9998
3310.0	980.3589	982.9729	986.8479	989.5772	909.6772	913.4312	934.4724	946.4783	958.2185	966.4224
3320.0	983.4775	986.1036	990.0194	992.8789	912.8789	916.6442	937.7712	949.8198	961.6001	969.8496
3330.0	986.5986	989.2371	993.1707	996.0442	916.0442	919.8213	941.0732	953.1660	964.9844	973.2793
3340.0	989.7229	992.3735	996.3242	999.2913	919.2913	923.0784	944.3784	956.5182	968.3721	976.7141
3350.0	992.8499	995.5127	999.4807	992.5024	922.5024	926.2900	947.6858	959.8352	971.7627	980.1548
3360.0	995.9800	998.6553	992.6409	925.7163	931.5976	935.3852	956.9920	969.2200	979.1577	983.6011
3370.0	999.1125	991.7998	995.8032	928.9331	941.7651	945.5581	967.3120	979.5569	987.0510	990.5054
3380.0	992.2483	994.9478	998.9678	932.1531	945.0361	948.8308	970.6994	982.9382	991.9553	995.3653
3390.0	995.3767	998.0844	992.1360	935.3757	948.3088	952.1013	974.0500	986.3594	995.3653	999.7656
3400.0	998.5074	991.2512	995.3076	938.6023	951.5859	955.3815	977.2737	989.6894	998.7656	992.6314
3410.0	991.6721	924.4080	938.4819	941.8315	954.8652	958.6606	979.6006	990.0393	992.1777	1000.9021
3420.0	924.8196	927.5676	931.6592	945.0645	958.1649	961.4360	979.6332	989.4131	995.5923	1004.3766
3430.0	927.9705	930.7300	944.8396	948.2998	961.4360	964.7253	977.6013	986.7905	995.0115	1007.8623
3440.0	931.1228	933.8962	948.0234	951.5391	964.7253	968.0183	980.9419	993.5549	1002.4329	1011.3518
3450.0	934.2791	937.0652	941.2102	954.7810	968.0183	971.3147	984.2856	995.9429	1005.8582	1014.8469
3460.0	937.4385	940.2366	944.3999	958.0266	971.3147	974.6155	987.6333	998.0365	1008.2883	1018.3479
3470.0	940.6006	943.4114	947.5933	961.2756	974.6155	977.9185	990.9836	1000.3365	1012.7214	1021.8562
3480.0	943.7656	946.5898	950.7893	964.5273	977.9185	981.2251	994.3389	1003.7288	1016.1592	1025.3694
3490.0	946.9341	949.7712	953.9885	967.7834	981.2251	984.5359	997.6860	1007.1282	1019.6006	1028.8914
3500.0	950.1062	952.9548	957.1914	971.0425	984.5359	987.8499	1001.0886	1010.5298	1023.0468	1032.6184
3510.0	953.2808	956.1428	960.3975	974.3047	987.8499	991.1667	1004.4238	1013.9368	1026.4968	1035.9543
3520.0	956.4583	959.3322	963.6064	977.5703	991.1667	994.4890	1007.7930	1017.3657	1029.9514	1039.6971
3530.0	959.6396	962.5278	966.8193	980.8403	994.4890	997.8171	1011.1655	1023.7603	1036.3733	1046.8060
3540.0	962.8214	965.7144	970.0037	984.1128	997.8171	1001.1426	1014.5835	1027.6003	1040.3420	1050.1697
3550.0	966.0105	968.9253	973.2537	987.3894	1001.1426	1004.4789	1017.9248	1031.0269	1043.8167	1053.7429
3560.0	969.2017	972.1292	976.4768	990.6694	1004.4789	1007.8113	1021.3091	1034.4573	1047.2917	1057.3230
3570.0	972.3958	975.3364	979.7031	993.9534	1007.8113	1011.1511	1024.6980	1037.8923	1050.7769	1060.9121
3580.0	975.5813	978.5471	983.9111	997.2407	1011.1511	1014.4954	1028.0903	1041.3306	1054.2622	1064.5103
3590.0	978.7927	981.7615	986.1655	1000.5327	1014.4954	1017.8433	1031.4880	1044.7784	1057.7562	1068.1167
3600.0	982.0043	984.9781	989.4026	1003.8274	1017.8433	1021.1956	1034.8899	1048.2224	1061.2527	1071.7317
3610.0	985.2043	988.2000	992.6426	1007.1265	1021.1956	1024.5513	1038.2949	1051.6766	1064.7561	1075.3582
3620.0	988.4136	991.4241	995.8483	1010.4285	1024.5513	1027.9116	1041.7048	1055.1318	1068.2644	1078.9902
3630.0	991.6284	994.6521	999.1340	1013.7356	1027.9116	1031.2756	1045.1187	1058.5933	1071.7781	1082.6380
3640.0	994.8459	997.8831	1002.3483	1017.0454	1031.2756	1034.6445	1048.5383	1062.0598	1075.2983	1086.2852
3650.0	998.0669	1001.1179	1005.6396	1020.3608	1034.6445	1038.0171	1051.9509	1065.5315	1078.8260	1089.9875
3660.0	1001.2910	1004.3567	1008.8979	1023.6745	1038.0171	1041.3943	1055.3892	1069.0076	1082.3562	1093.6201
3670.0	1004.5193	1007.5986	1012.1604	1027.0010	1041.3943	1044.7781	1058.8210	1072.4895	1085.8931	1097.3018
3680.0	1007.7493	1010.8442	1015.4258	1030.3274	1044.7781	1048.1614	1062.2583	1075.9761	1089.4365	1100.9939
3690.0	1010.9861	1014.0940	1018.6958	1033.5580	1048.1614	1051.5510	1065.7062	1079.4670	1092.9875	1104.6968
3700.0	1014.2289	1017.3469	1021.9695	1036.7934	1051.5510	1054.9453	1069.1662	1082.9639	1096.5439	1108.4102
3710.0	1017.4670	1020.6038	1025.2471	1040.3323	1054.9453	1058.3417	1072.5981	1086.8603	1100.1067	1112.1345
3720.0	1020.7111	1023.8645	1028.5283	1043.6763	1058.3417	1061.7495	1076.0567	1090.9749	1103.6768	1115.8666
3730.0	1023.9622	1027.1289	1031.8125	1047.0232	1061.7495	1065.1581	1079.5161	1093.4878	1107.2536	1119.78157
3740.0	1027.2151	1030.3979	1035.1030	1050.3757	1065.1581	1068.5723	1082.9834	1097.0073	1110.8376	1123.3740
3750.0	1030.4731	1033.6702	1038.3960	1053.7324	1068.5723	1071.9901	1086.4353	1100.5320	1114.4285	1127.0128
3760.0	1033.7341	1036.9463	1041.6711	1057.0933	1071.9901	1075.4136	1089.9326	1104.0620	1118.0259	1130.9238
3770.0	1036.9988	1040.2256	1044.9951	1060.4587	1075.4136	1078.8416	1093.4190	1107.9996	1121.6316	1135.7163
3780.0	1040.2675	1043.5100	1048.3005	1063.8284	1078.8416	1082.2742	1096.9023	1111.1423	1125.2444	1138.5822
3790.0	1043.5398	1046.7979	1051.6099	1067.2036	1082.2742	1085.7176	1100.3962	1114.6914	1128.8665	1142.3396
3800.0	1046.8113	1050.0903	1054.9238	1070.5830	1085.7176	1089.1565	1103.8958	1118.2468	1132.4958	1146.1697
3810.0	1050.0972	1053.3870	1058.2427	1073.9668	1089.1565					

PRESSURE = 200.0000		ENTHALPY								
TEMPERATURE / DEGREES °F	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1053.3618	1056.6665	1061.5654	1064.8918	1077.3550	1092.6042	1107.4006	1121.8086	1136.1331	1150.0122
3830.0	1056.6699	1059.9907	1064.8918	1068.2231	1080.7500	1096.0581	1110.9114	1125.3767	1139.7791	1153.9669
3840.0	1059.9824	1063.2903	1068.2231	1071.5591	1084.1477	1099.5176	1114.4275	1128.9512	1143.4331	1157.7356
3850.0	1063.2583	1066.6178	1071.5591	1074.8994	1087.5510	1102.9822	1117.9497	1132.5332	1147.0964	1161.6157
3860.0	1066.5591	1069.9304	1074.8994	1078.2439	1090.9597	1106.4524	1121.4785	1136.1214	1150.7876	1165.5115
3870.0	1069.8643	1073.2517	1078.2439	1081.5928	1094.3733	1109.9277	1125.0132	1139.7178	1154.4497	1169.4209
3880.0	1073.1733	1076.5774	1081.5928	1084.9470	1097.7910	1113.4047	1128.5540	1143.3201	1158.1387	1173.3420
3890.0	1076.4866	1079.9084	1084.9470	1101.2158	1116.8960	1132.1006	1146.9309	1161.8379	1177.2774	1181.2278
3900.0	1079.8037	1083.2429	1088.3057	1104.6468	1120.3882	1135.6583	1150.5481	1165.5471	1180.6814	1195.1929
3910.0	1083.1252	1086.5820	1091.6682	1108.0786	1123.8867	1139.2168	1154.1726	1169.2661	1184.4151	1199.1714
3920.0	1086.4521	1089.9244	1095.0361	1111.5188	1127.3923	1142.7820	1157.8059	1172.9956	1188.1914	1203.2888
3930.0	1089.7825	1093.2734	1098.4092	1114.9639	1130.9019	1146.3555	1161.4458	1176.7344	1191.7976	1209.2888
3940.0	1093.1179	1096.6260	1101.7889	1118.4166	1134.4192	1149.9358	1165.0942	1180.4814	1195.5920	1213.3574
3950.0	1096.4570	1099.9819	1105.1687	1121.8713	1137.9419	1153.5229	1168.7505	1183.6612	1198.3975	1217.4428
3960.0	1099.8018	1103.3457	1108.5564	1125.3328	1141.4712	1157.1177	1172.4150	1187.4612	1202.2364	1221.5439
3970.0	1103.1506	1106.7141	1111.9495	1128.8005	1145.0071	1160.7197	1176.0889	1191.7976	1206.2888	1225.6450
3980.0	1106.5029	1110.0847	1115.3462	1132.2729	1148.5691	1164.3281	1179.7708	1195.5920	1210.3574	1229.7461
3990.0	1109.8611	1113.4614	1118.7493	1135.7527	1152.0977	1167.9451	1183.4612	1199.3975	1214.4209	1233.8472
4000.0	1113.2234	1116.8442	1122.1572	1139.2378	1155.6526	1171.5696	1187.1606	1203.2888	1219.4209	1237.9483

ENTHALPY

PRESSURE = TEMPERATURE DEGREES R	300.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.1254	722.2795	725.1475	734.7991	744.2141	751.4480	756.4480	762.5066	771.3938	777.5159
2750.0	721.2593	725.3249	728.1197	737.8167	747.2859	754.5659	759.6990	765.6841	774.6226	780.7798
2760.0	722.1938	726.1704	731.1123	740.8147	750.3584	757.6384	762.8259	768.8623	777.8521	784.0427
2770.0	723.1292	727.0647	732.0103	741.7138	751.2575	758.5375	763.7250	769.7614	778.7512	784.9418
2780.0	724.0647	727.9647	732.9103	742.6138	752.1575	759.4375	764.6250	770.6614	779.6512	785.8418
2790.0	725.0000	728.9000	733.8456	743.5481	753.0918	760.3718	765.5603	771.5967	780.5865	786.7771
2800.0	726.9414	730.8414	735.7869	745.4894	755.0331	762.3131	767.5016	773.5380	782.5278	788.7184
2810.0	727.8828	731.7828	736.7283	746.4308	755.9745	763.2545	768.4430	774.4794	783.4692	789.6600
2820.0	728.8242	732.7242	737.6697	747.3722	757.3159	764.5959	769.7844	775.8208	784.8106	790.9912
2830.0	729.7656	733.6656	738.6111	748.3141	758.2578	765.5378	770.7263	776.7627	785.7525	791.9339
2840.0	730.7070	734.6070	739.5525	749.2555	759.1992	766.4792	771.6677	777.7041	786.6939	792.8753
2850.0	731.6484	735.5484	740.4939	750.1969	760.1406	767.4206	772.6091	778.6455	787.6353	793.8167
2860.0	732.5898	736.4898	741.4353	751.1383	761.0820	768.3620	773.5505	779.5869	788.5767	794.7581
2870.0	733.5312	737.4312	742.3767	752.0797	762.0234	769.3034	774.4919	780.5283	789.5181	795.6995
2880.0	734.4726	738.3726	743.3181	753.0211	763.9671	771.2471	776.4356	782.4720	791.4618	796.8409
2890.0	735.4140	739.3140	744.2595	753.9626	764.9106	772.1906	777.3791	783.4155	792.4032	797.9823
2900.0	736.3554	740.2554	745.2009	754.9051	765.8531	773.1331	778.3216	784.3580	793.3478	799.0235
2910.0	737.2968	741.1968	746.1423	755.8466	766.7946	774.0746	779.2631	785.3005	794.2892	800.3249
2920.0	738.2382	742.1382	747.0837	756.7881	767.7361	775.0161	780.2046	786.2410	795.2300	801.2663
2930.0	739.1796	743.0796	747.9251	757.7296	768.6776	775.9576	781.1461	787.1825	796.1723	802.2077
2940.0	740.1210	744.0210	748.8665	758.6711	769.6191	776.8991	782.0876	788.1240	797.1134	803.1491
2950.0	741.0624	744.9624	749.8079	759.6125	770.5605	777.8405	783.0290	789.0654	798.0952	804.0905
2960.0	742.0038	745.9038	750.7493	760.5531	771.5011	778.7811	783.9696	789.9960	799.0258	805.0319
2970.0	742.9452	746.8452	751.6907	761.4946	772.4426	779.7226	784.9111	790.9375	799.9673	805.9733
2980.0	743.8866	747.7866	752.6321	762.4361	773.3846	780.6646	785.8531	791.8795	800.9093	806.9147
2990.0	744.8280	748.7280	753.5735	763.3776	774.3261	781.6061	786.7946	792.8205	801.8397	807.8561
3000.0	745.7694	749.6694	754.5149	764.3191	775.2676	782.5476	787.7361	793.7620	802.7811	808.7975
3010.0	746.7108	750.6108	755.4563	765.2606	776.2091	783.4891	788.6776	794.7030	803.7225	809.7389
3020.0	747.6522	751.5522	756.3977	766.2021	777.1506	784.4306	789.6191	795.6450	804.6639	810.6803
3030.0	748.5936	752.4936	757.3391	767.1436	778.0921	785.3721	790.5606	796.5865	805.6047	811.6217
3040.0	749.5350	753.4350	758.2805	768.0851	779.0336	786.3136	791.5021	797.5280	806.5461	812.5631
3050.0	750.4764	754.3764	759.2219	769.0266	780.0751	787.3051	792.6936	798.7195	807.6875	813.5045
3060.0	751.4178	755.3178	760.1633	770.0681	781.1166	788.3466	793.7351	799.7610	808.7289	814.4459
3070.0	752.3592	756.2592	761.1047	771.0096	782.0581	789.2881	794.6766	800.7025	809.7443	815.3873
3080.0	753.3006	757.2006	761.9461	772.0511	783.1006	790.3306	795.7191	801.7450	810.7857	816.3287
3090.0	754.2420	758.1420	762.8875	773.0926	784.1421	791.3721	796.7606	802.7865	811.8271	817.2701
3100.0	755.1834	759.0834	763.8290	774.1341	785.1836	792.4136	797.8021	803.8280	812.8685	818.2115
3110.0	756.1248	760.0248	764.7703	775.1756	786.2251	793.4551	798.8436	804.8695	813.9099	819.1529
3120.0	757.0662	760.9662	765.7117	776.2171	787.2666	794.4966	799.8851	805.9110	814.9513	820.0943
3130.0	758.0076	761.9076	766.6531	777.2586	788.3081	795.5381	800.9266	806.9525	815.9927	821.0357
3140.0	758.9490	762.8490	767.5945	778.3001	789.3506	796.5806	801.9691	807.9950	817.0341	822.0771
3150.0	759.8904	763.7904	768.5359	779.3416	790.3921	797.6221	803.0106	809.0365	818.0755	823.0185
3160.0	760.8318	764.7318	769.4773	780.3831	791.4336	798.6636	804.0521	810.0780	819.1194	824.0599
3170.0	761.7732	765.6732	770.4187	781.4246	792.4751	799.7051	805.0936	811.1195	820.1609	825.0013
3180.0	762.7146	766.6146	771.3601	782.4661	793.5166	800.7466	806.1351	812.1610	821.2023	826.0427
3190.0	763.6560	767.5560	772.3015	783.5076	794.5581	801.7881	807.1766	813.2025	822.2437	827.0841
3200.0	764.5974	768.4974	773.2429	784.5491	795.5996	802.8296	808.2181	814.2440	823.2851	828.1255
3210.0	765.5388	769.4388	774.1843	785.5906	796.6411	803.8711	809.2596	815.2855	824.3265	829.1669
3220.0	766.4802	770.3802	775.0257	786.6321	797.6826	804.9126	810.3011	816.3270	825.3679	830.1083
3230.0	767.4216	771.3216	775.9671	787.6736	798.7241	805.9541	811.3426	817.3685	826.4093	831.0497
3240.0	768.3630	772.2630	776.9085	788.7151	799.7656	806.9956	812.3841	818.4100	827.4507	832.0911
3250.0	769.3044	773.2044	777.8499	789.7566	800.8071	808.0371	813.4256	819.4515	828.4921	833.0325
3260.0	770.2458	774.1458	778.7913	790.7981	801.8486	809.0786	814.5171	820.5430	829.5845	834.0739
3270.0	771.1872	775.0872	779.6327	791.8396	802.8901	810.1201	815.6086	821.6345	830.6259	835.0153
3280.0	772.1286	776.0286	780.5741	792.8811	803.9316	811.1616	816.6501	822.6760	831.6673	836.0567
3290.0	773.0700	776.9700	781.5155	793.9226	804.9731	812.2031	817.6916	823.7175	832.7087	837.0981
3300.0	774.0114	777.9114	782.4569	794.9641	806.0146	813.2446	818.7331	824.7590	833.7501	838.1395
3310.0	774.9528	778.8528	783.2983	795.9056	807.0561	814.2961	819.7846	825.8105	834.7915	839.1809
3320.0	775.8942	779.7942	784.2397	796.9471	808.0976	815.3376	820.8261	826.8520	835.8329	840.2223
3330.0	776.8356	780.7356	785.1811	797.9886	809.1391	816.3796	821.8681	827.8940	836.8743	841.2637
3340.0	777.7770	781.6770	786.1225	799.0301	810.1806	817.4206	822.9091	828.9350	837.9157	842.3051
3350.0	778.7184	782.6184	787.0639	800.0716	811.2221	818.4626	823.9511	829.9770	838.9571	843.3465
3360.0	779.6598	783.5598	788.0053	801.1131	812.2636	819.5041	825.0926	831.1185	840.0085	844.3879
3370.0	780.6012	784.5012	788.9467	802.1546	813.3051	820.5456	826.1341	832.1600	841.0499	845.4293
3380.0	781.5426	785.4426	789.8881	803.1961	814.3466	821.5871	827.1756	833.2015	842.0913	846.4707
3390.0	782.4840	786.3840	790.8295	804.2376	815.3881	822.6286	828.2171	834.2430	843.1327	847.5121
3400.0	783.4254	787.3254	791.7709	805.2791	816.4296	823.6696	829.2581	835.2840	844.1741	848.5535
3410.0	784.3668	788.2668	792.7123	806.3206	817.4711	824.7111	830.3006	836.3265	845.2155	849.5949
3420.0	785.3082	789.2082	793.6537	807.3621	818.5126	825.7526	831.3421	837.3680	846.2569	850.6363
3430.0	786.2496	790.1496	794.5951	808.4036	819.5541	826.7941	832.3836	838.4095	847.2983	851.6777
3440.0	787.1910	791.0910	795.5365	809.4451	820.5956	827.8356	833.4251	839.4510	848.3397	852.7191
3450.0	788.1324	792.0324	796.4779	810.4866	821.6371	828.8776	834.4666	840.4925	849.3811	853.7605
3460.0	789.0738	792.9738	797.4193	811.5281	822.6786	829.9186	835.5081	841.5340	850.4225	854.8019
3470.0	790.0152	793.9152	798.3607	812.5696	823.7201	830.9601	836.5496	842.5755	851.4639	855.8433
3480.0	790.9566	794.8566	799.3021	813.6111	824.7616	831.0016	836.5911	843.6170	852.5053	856.8847
3490.0	791.8980	795.7980	800.2435	814.6526	825.8031	832.0431	837.6326	844.6585	853.5467	857.9261
3500.0	792.8394	796.7394	801.1849	815.6941	826.8446	833.0846	838.6741	845.7000	854.5881	858.9675
3510.0	793.7808	797.6808	802.0263	816.7356	827.8861	834.1261	839.7156	846.7415	855.6295	859.9089
3520.0	794.7222	798.6222	802.8677	817.7771	828.9276	835.1676	840.7571	847.7830	856.6709	860.9503
3530.0	795.6636	799.5636	803.8091	818.8186	829.9691	836.2091	841.7986	848.8245	857.7123	861.9917
3540.0	796.6050	800.5050	804.7505	819.8601	831.0106	837.2506	842.8396	849.8655	858.7537	863.0331
3550.0	797.5464	801.4464	805.6919	820.9016	832.0521	838.2926	843.8811	850.9070	859.7953	864.0745
3560.0	798.4878	802.3878	806.6333	821.9431	833.0936	839.3336	844.9226	851.9585	860.8367	865.1159
3570.0	799.4292									

PRESSURE * 300.0000		ENTHALPY	
TEMPERATURE / FUEL/AIR RATIO	R	0.005	0.007
3200.0	880.6509	883.2207	0.010
3250.0	883.7595	886.3506	0.010
3300.0	886.8705	889.4731	0.010
3350.0	889.9815	892.5999	0.010
3400.0	893.0925	895.7285	0.010
3450.0	896.2035	898.8594	0.010
3500.0	899.3145	901.9927	0.010
3550.0	902.4255	905.1304	0.010
3600.0	905.5365	908.2708	0.010
3650.0	908.6475	911.4124	0.010
3700.0	911.7585	914.5576	0.010
3750.0	914.8695	917.7058	0.010
3800.0	917.9805	920.8562	0.010
3850.0	921.0915	924.0114	0.010
3900.0	924.2025	927.1670	0.010
3950.0	927.3135	930.3244	0.010
4000.0	930.4245	933.4830	0.010
4050.0	933.5355	936.6444	0.010
4100.0	936.6465	939.8078	0.010
4150.0	939.7575	942.9732	0.010
4200.0	942.8685	946.1406	0.010
4250.0	945.9795	949.3080	0.010
4300.0	949.0905	952.4754	0.010
4350.0	952.2015	955.6428	0.010
4400.0	955.3125	958.8102	0.010
4450.0	958.4235	961.9776	0.010
4500.0	961.5345	965.1450	0.010
4550.0	964.6455	968.3124	0.010
4600.0	967.7565	971.4798	0.010
4650.0	970.8675	974.6472	0.010
4700.0	973.9785	977.8146	0.010
4750.0	977.0895	980.9820	0.010
4800.0	980.2005	984.1494	0.010
4850.0	983.3115	987.3168	0.010
4900.0	986.4225	990.4842	0.010
4950.0	989.5335	993.6516	0.010
5000.0	992.6445	996.8190	0.010
5050.0	995.7555	999.9864	0.010
5100.0	998.8665	1003.1538	0.010
5150.0	1001.9775	1006.3212	0.010
5200.0	1005.0885	1009.4886	0.010
5250.0	1008.1995	1012.6560	0.010
5300.0	1011.3105	1015.8234	0.010
5350.0	1014.4215	1018.9908	0.010
5400.0	1017.5325	1022.1582	0.010
5450.0	1020.6435	1025.3256	0.010
5500.0	1023.7545	1028.4930	0.010
5550.0	1026.8655	1031.6604	0.010
5600.0	1029.9765	1034.8278	0.010
5650.0	1033.0875	1037.9952	0.010
5700.0	1036.1985	1041.1626	0.010
5750.0	1039.3095	1044.3300	0.010
5800.0	1042.4205	1047.4974	0.010
5850.0	1045.5315	1050.6648	0.010
5900.0	1048.6425	1053.8322	0.010
5950.0	1051.7535	1056.9996	0.010
6000.0	1054.8645	1060.1670	0.010
6050.0	1057.9755	1063.3344	0.010
6100.0	1061.0865	1066.5018	0.010
6150.0	1064.1975	1069.6692	0.010
6200.0	1067.3085	1072.8366	0.010
6250.0	1070.4195	1075.9990	0.010
6300.0	1073.5305	1079.1664	0.010
6350.0	1076.6415	1082.3338	0.010
6400.0	1079.7525	1085.5012	0.010
6450.0	1082.8635	1088.6686	0.010
6500.0	1085.9745	1091.8360	0.010
6550.0	1089.0855	1094.9994	0.010
6600.0	1092.1965	1098.1668	0.010
6650.0	1095.3075	1101.3342	0.010
6700.0	1098.4185	1104.5016	0.010
6750.0	1101.5295	1107.6690	0.010
6800.0	1104.6405	1110.8364	0.010
6850.0	1107.7515	1113.9998	0.010
6900.0	1110.8625	1117.1672	0.010
6950.0	1113.9735	1120.3346	0.010
7000.0	1117.0845	1123.5020	0.010
7050.0	1120.1955	1126.6694	0.010
7100.0	1123.3065	1129.8368	0.010
7150.0	1126.4175	1132.9992	0.010
7200.0	1129.5285	1136.1666	0.010
7250.0	1132.6395	1139.3340	0.010
7300.0	1135.7505	1142.5014	0.010
7350.0	1138.8615	1145.6688	0.010
7400.0	1141.9725	1148.8362	0.010
7450.0	1145.0835	1151.9996	0.010
7500.0	1148.1945	1155.1670	0.010
7550.0	1151.3055	1158.3344	0.010
7600.0	1154.4165	1161.5018	0.010
7650.0	1157.5275	1164.6692	0.010
7700.0	1160.6385	1167.8366	0.010
7750.0	1163.7495	1170.9990	0.010
7800.0	1166.8605	1174.1664	0.010
7850.0	1169.9715	1177.3338	0.010
7900.0	1173.0825	1180.5012	0.010
7950.0	1176.1935	1183.6686	0.010
8000.0	1179.3045	1186.8360	0.010
8050.0	1182.4155	1189.9994	0.010
8100.0	1185.5265	1193.1668	0.010
8150.0	1188.6375	1196.3342	0.010
8200.0	1191.7485	1199.5016	0.010
8250.0	1194.8595	1202.6690	0.010
8300.0	1197.9705	1205.8364	0.010
8350.0	1201.0815	1208.9998	0.010
8400.0	1204.1925	1212.1672	0.010
8450.0	1207.3035	1215.3346	0.010
8500.0	1210.4145	1218.5020	0.010
8550.0	1213.5255	1221.6694	0.010
8600.0	1216.6365	1224.8368	0.010
8650.0	1219.7475	1227.9992	0.010
8700.0	1222.8585	1231.1666	0.010
8750.0	1225.9695	1234.3340	0.010
8800.0	1229.0805	1237.5014	0.010
8850.0	1232.1915	1240.6688	0.010
8900.0	1235.3025	1243.8362	0.010
8950.0	1238.4135	1246.9996	0.010
9000.0	1241.5245	1250.1670	0.010
9050.0	1244.6355	1253.3344	0.010
9100.0	1247.7465	1256.5018	0.010
9150.0	1250.8575	1259.6692	0.010
9200.0	1253.9685	1262.8366	0.010
9250.0	1257.0795	1265.9990	0.010
9300.0	1260.1905	1269.1664	0.010
9350.0	1263.3015	1272.3338	0.010
9400.0	1266.4125	1275.5012	0.010
9450.0	1269.5235	1278.6686	0.010
9500.0	1272.6345	1281.8360	0.010
9550.0	1275.7455	1284.9994	0.010
9600.0	1278.8565	1288.1668	0.010
9650.0	1281.9675	1291.3342	0.010
9700.0	1285.0785	1294.5016	0.010
9750.0	1288.1895	1297.6690	0.010
9800.0	1291.3005	1300.8364	0.010
9850.0	1294.4115	1303.9998	0.010
9900.0	1297.5225	1307.1672	0.010
9950.0	1300.6335	1310.3346	0.010
10000.0	1303.7445	1313.5020	0.010

PRESSURE = TEMPERATURE / DEGREES H	ENTHALPY									
	300.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1052.7749	1056.0559	1060.9058	1066.2224	1076.6252	1091.8203	1104.5654	1120.9019	1135.0452	1148.8610
3830.0	1056.0537	1059.3506	1064.2224	1069.5417	1080.0046	1095.2576	1110.5559	1124.4451	1138.6550	1151.8540
3840.0	1059.3369	1062.6497	1067.5417	1072.8445	1083.3002	1098.6990	1114.5515	1127.9932	1142.2725	1155.8582
3850.0	1062.6238	1065.9521	1070.8445	1076.1438	1086.5766	1102.1450	1117.0522	1131.5488	1145.8975	1159.4739
3860.0	1065.9150	1069.2500	1074.1438	1079.4466	1090.1702	1105.9567	1120.5581	1135.1096	1149.5291	1163.3027
3870.0	1069.2109	1072.5693	1077.4569	1082.7669	1093.5686	1109.0532	1124.0703	1138.6775	1153.1699	1167.1436
3880.0	1072.5085	1075.8833	1080.7669	1086.0769	1096.9705	1112.5142	1127.5067	1142.2505	1156.8174	1170.9954
3890.0	1075.8114	1079.2021	1084.0833	1089.3933	1100.3782	1115.9822	1131.1108	1145.8306	1160.4749	1174.8606
3900.0	1079.1184	1082.5254	1087.4069	1092.7169	1103.7898	1119.4539	1134.6387	1149.4165	1164.1389	1178.7383
3910.0	1082.4282	1085.8425	1090.7233	1096.0333	1107.4065	1122.9316	1138.1736	1152.0100	1167.8130	1182.6289
3920.0	1085.7432	1089.1631	1094.0431	1099.3531	1110.6242	1126.4138	1141.7136	1156.6089	1171.4944	1186.5320
3930.0	1089.0625	1092.4884	1097.3684	1102.6784	1114.0547	1129.9021	1145.2600	1160.2153	1175.1848	1190.4480
3940.0	1092.3853	1095.8184	1100.6984	1106.0084	1117.4871	1133.3955	1148.8130	1163.8289	1178.8848	1194.3777
3950.0	1095.7119	1099.1424	1104.0224	1109.3324	1120.8216	1136.8950	1152.3718	1167.4495	1182.5935	1199.3213
3960.0	1099.0435	1102.4733	1107.3533	1112.6633	1124.3655	1140.3992	1155.9368	1171.0771	1186.3118	1202.2773
3970.0	1102.3792	1105.8033	1110.6833	1116.0033	1127.8132	1143.9109	1159.5095	1174.7124	1190.0391	1206.2485
3980.0	1105.7165	1109.1405	1114.0205	1119.3305	1131.2649	1147.4258	1163.0857	1178.3545	1193.7769	1210.2332
3990.0	1109.0630	1112.4823	1117.3623	1122.6723	1134.7222	1150.9485	1166.6694	1182.0049	1197.5239	1214.2317
4000.0	1112.4114	1115.8345	1121.2480	1126.5614	1138.1458	1154.4773	1170.2612	1185.6620	1201.2825	1218.2444

PRESSURE = 400.0000		ENTHALPY									
TEMPERATURE / FUEL/AIR RATIO											
DEGREES	R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3038	777.5159	786.0447	
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	779.8521	786.0447	
2760.0	726.1938	728.1704	731.1223	740.8347	750.3544	759.6990	768.8623	777.8521	784.0447	790.5784	
2770.0	729.1292	731.1172	734.0859	743.8531	753.4319	762.8259	772.0419	781.0830	786.3149	793.8479	
2780.0	732.0652	734.0647	737.0503	746.8538	756.5066	765.9541	775.2222	784.3149	789.5488	797.1182	
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0846	778.4048	787.5488	792.7817	800.3859	
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.3146	781.5879	790.7817	795.0194	803.6828	
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.4367	784.7722	794.0194	798.2571	806.9375	
2820.0	743.8214	745.8655	748.9109	758.9663	768.8176	778.4959	787.9580	797.2571	806.9375	810.2131	
2830.0	746.7634	748.8196	751.8809	761.9922	771.8984	781.6140	791.1453	800.4961	809.7463	813.4905	
2840.0	749.7061	751.7737	754.8408	765.0190	774.9802	784.7495	794.3335	803.7363	812.9478	817.6690	
2850.0	752.6497	754.7288	757.8130	768.0471	777.9632	787.6865	797.2234	806.6778	815.9405	820.6888	
2860.0	755.5940	757.6846	760.8059	771.0742	780.9172	790.5845	799.9770	809.1444	818.2205	827.4646	
2870.0	758.5398	760.6414	763.7800	774.1064	783.8234	793.4836	802.9852	812.3852	821.6690	830.9375	
2880.0	761.4861	763.5994	766.7544	777.1375	786.8186	796.4949	806.1196	815.6949	825.2196	834.7949	
2890.0	764.4336	766.5586	769.7310	780.1699	790.0066	800.0586	810.2942	820.5292	830.7649	840.0066	
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	804.0586	814.8949	825.9302	836.1690	846.4114	
2910.0	770.3320	772.4795	775.6845	786.2374	796.5845	807.1453	817.9302	828.9649	839.2066	849.4533	
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	810.2942	821.0066	831.9302	842.9649	853.2066	
2930.0	776.2319	778.4045	781.6455	792.3101	802.7673	813.3852	824.1690	835.2066	846.4533	857.6949	
2940.0	779.1845	781.3687	784.6270	795.3879	806.0586	816.8949	827.8302	838.9649	850.2066	861.4533	
2950.0	782.1399	784.3335	787.6009	798.3879	809.2066	820.0586	831.0066	842.1690	853.4533	864.7949	
2960.0	785.0942	787.2996	790.5423	801.4263	812.5073	823.6949	834.9302	846.3206	857.7649	869.2649	
2970.0	788.0500	790.2664	793.5767	804.4675	815.6649	826.9649	838.3649	849.8649	861.4649	873.0649	
2980.0	791.0066	793.2349	796.5623	807.5098	818.7649	830.1649	841.6649	853.2649	864.9649	876.7649	
2990.0	793.9634	796.2039	799.5481	810.5525	821.8649	833.3649	844.9649	856.6649	868.4649	880.3649	
3000.0	796.9224	799.1739	802.5354	813.5969	824.9649	836.5649	848.2649	860.0649	871.9649	883.9649	
3010.0	799.8814	802.1448	805.5237	816.6421	827.9649	839.5649	851.3649	863.2649	875.2649	887.3649	
3020.0	802.8425	805.1169	808.5134	819.6887	831.0649	842.7649	854.6649	866.6649	878.7649	890.9649	
3030.0	805.8037	808.0890	811.5039	822.7358	834.2649	846.0649	858.1649	870.3649	882.6649	895.0649	
3040.0	808.7666	811.0642	814.4954	825.7849	837.4649	849.3649	861.5649	873.8649	886.2649	898.7649	
3050.0	811.7297	814.0391	817.4875	828.8350	840.6649	852.7649	865.0649	877.5649	890.0649	902.6649	
3060.0	814.6941	817.0154	820.5812	831.8850	843.8649	856.1649	868.6649	881.2649	893.9649	906.7649	
3070.0	817.6599	819.9927	823.6758	834.9370	847.1649	859.6649	872.3649	885.1649	898.0649	911.0649	
3080.0	820.6262	822.9707	826.7714	837.9897	849.3649	861.9649	874.7649	887.7649	900.8649	914.0649	
3090.0	823.5940	825.9500	829.8693	841.0439	852.3950	864.9649	877.8649	890.9649	904.2649	917.7649	
3100.0	826.5620	828.9297	833.8656	844.0986	856.5061	869.4649	882.6649	896.0649	909.6649	923.3649	
3110.0	829.5315	831.9111	836.8641	847.1548	859.6187	872.6649	885.9649	899.6649	913.6649	927.7649	
3120.0	832.5022	834.8933	839.8630	850.2124	863.7327	877.3649	890.9649	904.8649	918.9649	933.1649	
3130.0	835.4734	837.8762	842.8644	853.2703	867.8649	881.5649	895.4649	909.6649	924.0649	938.3649	
3140.0	838.4458	840.8604	845.8641	856.3394	871.0649	884.8649	898.9649	913.3649	927.9649	942.6649	
3150.0	841.4194	843.8459	848.8649	859.3906	874.2649	888.2649	902.4649	916.9649	931.7649	946.8649	
3160.0	844.3940	846.8320	851.8649	862.4521	877.3649	891.5649	906.0649	920.8649	935.9649	951.3649	
3170.0	847.3694	849.8196	854.8649	865.5149	880.6649	895.8649	911.3649	927.0649	942.9649	959.0649	
3180.0	850.3457	852.8074	857.8649	868.6334	884.0649	899.6649	915.6649	931.5649	947.7649	964.3649	
3190.0	853.3230	855.7966	860.8649	871.8649	887.5649	903.4649	919.6649	936.0649	952.7649	969.7649	
3200.0	856.3015	858.7869	863.8649	875.0649	890.9649	907.1649	923.6649	940.3649	957.3649	974.8649	
3210.0	859.2804	861.7781	866.8649	878.2649	894.3649	910.7649	927.5649	944.6649	961.9649	979.8649	
3220.0	862.2612	864.7705	869.8649	881.4649	897.8649	914.5649	931.6649	949.0649	966.7649	984.8649	
3230.0	865.2427	867.7637	872.8649	884.7649	901.4649	918.4649	935.9649	953.7649	971.9649	990.8649	
3240.0	868.2251	870.7578	875.8649	888.0649	905.0649	922.4649	940.3649	959.0649	978.3649	997.8649	
3250.0	871.2085	873.7532	878.9649	891.4649	909.0649	927.0649	945.9649	965.3649	985.3649	1005.3649	
3260.0	874.1929	876.7493	881.9649	894.7649	912.8649	931.3649	950.6649	970.6649	991.3649	1012.3649	
3270.0	877.1788	879.7496	884.9649	897.9649	916.4649	935.4649	955.4649	976.0649	997.3649	1019.3649	

ENTHALPY

PRESSURE = 400.0000		FUEL/AIR RATIO		ENTHALPY									
TEMPERATURE	W	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.080	0.100	0.120	0.140
3200.0	880.3840	882.9666	886.8171	890.6717	894.5262	898.3807	902.2352	906.0897	909.9442	913.7987	917.6532	921.5077	925.3622
3300.0	887.4937	890.0763	893.9268	897.7813	901.6358	905.4903	909.3448	913.1993	917.0538	920.9083	924.7628	928.6173	932.4718
3400.0	894.6034	897.1860	901.0365	904.8870	908.7415	912.5960	916.4505	920.3050	924.1595	928.0140	931.8685	935.7230	939.5775
3500.0	901.7131	904.2957	908.1462	911.9967	915.8512	919.7057	923.5602	927.4147	931.2692	935.1237	938.9782	942.8327	946.6872
3600.0	908.8228	911.4054	915.2559	919.1064	922.9609	926.8154	930.6699	934.5244	938.3789	942.2334	946.0879	949.9424	953.7969
3700.0	915.9325	918.5151	922.3656	926.2161	930.0706	933.9251	937.7796	941.6341	945.4886	949.3431	953.1976	957.0521	960.9066
3800.0	923.0422	925.6248	929.4753	933.3258	937.1803	941.0348	944.8893	948.7438	952.5983	956.4528	960.3073	964.1618	968.0163
3900.0	930.1519	932.7345	936.5850	940.4355	944.2900	948.1445	951.9990	955.8535	959.7080	963.5625	967.4170	971.2715	975.1260
4000.0	937.2616	939.8442	943.6947	947.5452	951.3997	955.2542	959.1087	962.9632	966.8177	970.6722	974.5267	978.3812	982.2357
4100.0	944.3713	946.9539	950.8044	954.6549	958.5094	962.3639	966.2184	970.0729	973.9274	977.7819	981.6364	985.4909	989.3454
4200.0	951.4810	954.0636	957.9141	961.7646	965.6191	969.4736	973.3281	977.1826	981.0371	984.8916	988.7461	992.6006	996.4551
4300.0	958.5907	961.1733	965.0238	968.8743	972.7288	976.5833	980.4378	984.2923	988.1468	992.0013	995.8558	999.7103	1003.5648
4400.0	965.7004	968.2830	972.1335	975.9840	979.8385	983.6930	987.5475	991.4020	995.2565	999.1110	1002.9655	1006.8200	1010.6745
4500.0	972.8101	975.3927	979.2432	983.0937	986.9482	990.8027	994.6572	998.5117	1002.3662	1006.2207	1010.0752	1013.9297	1017.7842
4600.0	979.9198	982.5024	986.3529	990.2034	994.0579	997.9124	1001.7669	1005.6214	1009.4759	1013.3304	1017.1849	1021.0394	1024.8939
4700.0	987.0295	989.6121	993.4626	997.3131	1001.1676	1005.0221	1008.8766	1012.7311	1016.5856	1020.4401	1024.2946	1028.1491	1032.0036
4800.0	994.1392	996.7218	1000.5723	1004.4228	1008.2773	1012.1318	1015.9863	1019.8408	1023.6953	1027.5498	1031.4043	1035.2588	1039.1133
4900.0	1001.2489	1003.8315	1007.6820	1011.5325	1015.3870	1019.2415	1023.0960	1026.9505	1030.8050	1034.6595	1038.5140	1042.3685	1046.2230
5000.0	1008.3586	1010.9412	1014.7917	1018.6422	1022.4967	1026.3512	1030.2057	1034.0602	1037.9147	1041.7692	1045.6237	1049.4782	1053.3327
5100.0	1015.4683	1018.0509	1021.9014	1025.7519	1029.6064	1033.4609	1037.3154	1041.1699	1045.0244	1048.8789	1052.7334	1056.5879	1060.4424
5200.0	1022.5780	1025.1606	1029.0111	1032.8616	1036.7161	1040.5706	1044.4251	1048.2796	1052.1341	1055.9886	1059.8431	1063.6976	1067.5521
5300.0	1029.6877	1032.2703	1036.1208	1040.0003	1043.8508	1047.7053	1051.5598	1055.4143	1059.2688	1063.1233	1066.9778	1070.8323	1074.6868
5400.0	1036.7974	1039.3800	1043.2305	1047.0810	1050.9315	1054.7860	1058.6405	1062.4950	1066.3495	1070.2040	1074.0585	1077.9130	1081.7675
5500.0	1043.9071	1046.4897	1050.3402	1054.1907	1058.0452	1061.8997	1065.7542	1069.6087	1073.4632	1077.3177	1081.1722	1085.0267	1088.8812
5600.0	1051.0168	1053.5994	1057.4509	1061.3014	1065.1559	1069.0104	1072.8649	1076.7194	1080.5739	1084.4284	1088.2829	1092.1374	1095.9919
5700.0	1058.1265	1060.7091	1064.5596	1068.4101	1072.2646	1076.1191	1080.0000	1083.8545	1087.7090	1091.5635	1095.4180	1099.2725	1103.1270
5800.0	1065.2362	1067.8188	1071.6703	1075.5208	1079.3753	1083.2298	1087.0843	1090.9388	1094.7933	1098.6478	1102.5023	1106.3568	1110.2113
5900.0	1072.3459	1074.9285	1078.7800	1082.6305	1086.4850	1090.3395	1094.1940	1098.0485	1101.9030	1105.7575	1109.6120	1113.4665	1117.3210
6000.0	1079.4556	1082.0382	1085.8887	1089.7392	1093.5897	1097.4442	1101.2987	1105.1532	1109.0077	1112.8622	1116.7167	1120.5712	1124.4257
6100.0	1086.5653	1089.1479	1092.9984	1096.8489	1100.7034	1104.5579	1108.4124	1112.2669	1116.1214	1120.0000	1123.8545	1127.7090	1131.5635
6200.0	1093.6750	1096.2576	1100.1081	1103.9586	1107.8131	1111.6676	1115.5221	1119.3766	1123.2311	1127.0856	1130.9401	1134.7946	1138.6491
6300.0	1100.7847	1103.3673	1107.2178	1111.0683	1114.9228	1118.7773	1122.6318	1126.4863	1130.3408	1134.1953	1138.0498	1141.9043	1145.7588
6400.0	1107.8944	1110.4770	1114.3275	1118.1780	1122.0325	1125.8870	1129.7415	1133.5960	1137.4505	1141.3050	1145.1595	1149.0140	1152.8685
6500.0	1115.0041	1117.5867	1121.4372	1125.2877	1129.1422	1133.0000	1136.8545	1140.7090	1144.5635	1148.4180	1152.2725	1156.1270	1160.0000
6600.0	1122.1138	1124.6964	1128.5469	1132.3974	1136.2519	1140.1064	1143.9609	1147.8154	1151.6699	1155.5244	1159.3789	1163.2334	1167.0879
6700.0	1129.2235	1131.8061	1135.6566	1139.5071	1143.3616	1147.2161	1151.0706	1154.9251	1158.7796	1162.6341	1166.4886	1170.3431	1174.1976
6800.0	1136.3332	1138.9158	1142.7663	1146.6168	1150.4713	1154.3258	1158.1803	1162.0348	1165.8893	1169.7438	1173.5983	1177.4528	1181.3073
6900.0	1143.4429	1146.0255	1149.8760	1153.7265	1157.5810	1161.4355	1165.2900	1169.1445	1173.0000	1176.8545	1180.7090	1184.5635	1188.4180
7000.0	1150.5526	1153.1352	1156.9857	1160.8362	1164.6907	1168.5452	1172.3997	1176.2542	1180.1087	1183.9632	1187.8177	1191.6722	1195.5267
7100.0	1157.6623	1160.2449	1164.0954	1167.9459	1171.7964	1175.6509	1179.5054	1183.3599	1187.2144	1191.0689	1194.9234	1198.7779	1202.6324
7200.0	1164.7720	1167.3546	1171.2051	1175.0556	1178.9101	1182.7646	1186.6191	1190.4736	1194.3281	1198.1826	1202.0371	1205.8916	1209.7461
7300.0	1171.8817	1174.4643	1178.3148	1182.1653	1186.0198	1189.8743	1193.7288	1197.5833	1201.4378	1205.2923	1209.1468	1213.0013	1216.8558
7400.0	1178.9914	1181.5740	1185.4245	1189.2750	1193.1295	1196.9840	1200.8385	1204.6930	1208.5475	1212.4020	1216.2565	1220.1110	1223.9655
7500.0	1186.1011	1188.6837	1192.5342	1196.3847	1200.2392	1204.0937	1207.9482	1211.8027	1215.6572	1219.5117	1223.3662	1227.2207	1231.0752
7600.0	1193.2108	1195.7934	1199.6439	1203.4944	1207.3489	1211.2034	1215.0579	1218.9124	1222.7669	1226.6214	1230.4759	1234.3304	1238.1849
7700.0	1200.3205	1202.9031	1206.7536	1210.6041	1214.4586	1218.3131	1222.1676	1226.0221	1229.8766	1233.7311	1237.5856	1241.4401	1245.2946
7800.0	1207.4302	1210.0128	1213.8633	1217.7138	1221.5683	1225.4228	1229.2773	1233.1318	1236.9863	1240.8408	1244.6953	1248.5498	1252.4043
7900.0	1214.5399	1217.1225	1220.9730	1224.8235	1228.6780	1232.5325	1236.3870	1240.2415	1244.0960	1247.9505	1251.8050	1255.6595	1259.5140
8000.0	1221.6496	1224.2322	1228.0827	1231.9332	1235.7877	1239.6422	1243.4967	1247.3512	1251.2057	1255.0602	1258.9147	1262.7692	1266.6237
8100.0	1228.7593	1231.3419	1235.1924	1239.0429	1242.8974	1246.7519	1250.6064	1254.4609	1258.3154	1262.1699	1266.0244	1269.8789	1273.7334
8200.0	1235.8690	1238.4516	1242.3021	1246.1526	1250.0071	1253.8616	1257.7161	1261.5706	1265.4251	1269.2796	1273.1341	1276.9886	1280.8431
8300.0	1242.9787	1245.5613	1249.4118	1253.2623	1257.1168	1260.9713	1264.8258	1268.6803	1272.5348	1276.3893	1280.2438	1284.0983	1287.9528
8400.0	1250.0884	1252.6710	1256.5215	1260.3720	1264.2265	1268.0810	1271.9355	1275.7900	1279.6445	1283.4990	1287.3535	1291.2080	1295.0625
8500.0	1257.1981	1259.7807	1263.6312	1267.4817	1271.3362	1275.1907	1279.0452	1282.8997	1286.7542	1290.6087	1294.4632	1298.3177	1302.1722
8600.0	1264.3078	1266.8904	1270.7409	1274.5914	1278.4459	1282.3004	1286.1549	1290.0094	1293.8639	1297.7184	1301.5729	1305.4274	1309.2819
8700.0	1271.4175	1274.0001	1277.8506	1281.7011	1285.5556	1289.4101	1293.2646	1297.1191	1300.9736	1304.8281	1308.6826	1312.5371	1316.3916
8800.0	1278.5272	1281.1098	1284.9603	1288.8108	1292.6653	1296.5198	1300.3743	1304.2288	1308.0833	1311.9378	1315.7923	1319.6468	1323.5013
8900.0	1285.6369	1288.2195	1292.0700	1295.9205	1299.7750	1303.6295	1307.4840	1311.3385	1315.1930	1319.0475	1322.9020	1326.7565	1330.6110
9000.0	1292.7466	1295.3292	1299.1797	1303.0302	1306.8847	1310.7392	1314.5937	1318.4482	1322.3027	1326.1572	1330.0117	1333.8662	1337.7207
9100.0	1300.0000	1302.5826	1306.4331	1310.2836	1314.1381	1317.9926	1321.8471	1325.7016	1329.5561	1333.4106	1337.2651	1341.1196	1344.9741
9200.0	1307.1097	1309.6923	1313.5428	1317.3933	1321.2478	1325.1023	1328.9568	1332.8113	1336.6658	1340.5203	1344.3748	1348.2293	1352.0838
9300.0	1314.21												

PRESSURE = 400.0000		ENTHALPY									
TEMPERATURE DEGREES R	FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
3820.0	1052.3614	1055.6286	1060.4614	1074.1384	1079.5095	1091.3059	1106.0267	1120.3264	1134.3684	1144.6486	
3830.0	1055.6350	1058.9185	1063.7703	1077.4843	1082.8843	1094.7322	1109.5027	1123.8535	1137.9593	1150.8024	
3840.0	1058.9119	1062.2109	1067.0833	1080.8043	1086.2642	1098.1628	1112.9849	1127.3170	1141.5527	1154.7665	
3850.0	1062.1944	1065.5044	1070.4011	1084.1442	1089.6482	1101.5981	1116.4722	1130.9258	1145.1543	1158.1414	
3860.0	1065.4784	1068.8044	1073.7217	1087.4882	1093.0356	1105.0384	1119.9648	1134.6697	1149.7432	1161.9270	
3870.0	1068.7674	1072.1104	1077.0469	1090.8356	1096.4285	1108.4832	1123.4626	1138.0190	1152.3764	1165.7251	
3880.0	1072.0594	1075.4180	1080.3750	1094.2285	1099.8242	1111.9326	1126.9653	1141.4742	1156.0012	1169.5330	
3890.0	1075.3557	1078.7302	1083.7085	1097.5248	1103.2248	1115.3870	1130.4734	1145.1772	1159.6323	1173.3535	
3900.0	1078.6560	1082.0457	1087.0457	1100.8462	1106.6333	1118.8462	1133.9871	1148.7641	1163.2605	1177.1831	
3910.0	1081.9600	1085.3642	1090.3872	1104.2105	1110.0439	1122.3105	1137.5056	1152.2764	1166.9164	1181.0281	
3920.0	1085.2674	1088.6887	1093.7324	1107.6419	1113.5592	1125.7900	1141.0303	1155.8544	1170.5684	1184.8633	
3930.0	1088.5793	1092.0155	1097.0820	1111.0439	1117.0592	1129.2539	1144.5601	1159.4419	1174.2290	1188.7515	
3940.0	1091.8948	1095.3479	1100.4360	1113.8794	1119.9794	1132.2336	1147.0952	1161.0342	1175.4977	1192.6311	
3950.0	1095.2136	1098.6829	1103.7939	1116.8049	1123.0049	1135.2185	1150.0365	1164.6321	1179.5742	1196.5225	
3960.0	1098.5378	1102.0225	1107.1550	1120.0366	1127.3366	1139.7087	1155.1833	1170.2380	1185.2520	1200.4272	
3970.0	1101.8660	1105.3640	1110.5234	1123.4687	1130.8079	1143.2034	1158.7363	1173.8501	1188.9563	1204.3457	
3980.0	1105.1963	1108.7146	1113.8943	1126.8794	1134.2079	1146.7041	1162.2944	1177.4688	1192.6592	1208.2759	
3990.0	1108.5317	1112.0647	1117.2700	1130.0518	1137.5012	1150.2100	1165.8594	1181.0940	1196.3718	1212.2148	
4000.0	1111.8713	1115.4238	1120.6501	1133.5012	1141.0212	1153.7219	1169.4302	1184.7773	1200.0933	1214.1758	

ENTHALPY

TEMPERATURE DEGREES R	500.0000 FUEL/AIR RATIO	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2790	725.1975	734.7991	746.2141	753.4440	762.5066	771.3938	777.5159
2750.0	723.2591	725.2249	728.1597	737.8167	747.2859	756.4891	765.4891	774.6226	780.7799
2760.0	726.1934	728.1702	731.1223	740.8367	750.3544	759.6990	768.8823	777.8521	784.0447
2770.0	729.1292	731.1172	734.0459	743.8538	753.4319	762.9259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4068	787.5488	793.8479
2800.0	737.9419	739.9636	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0194	800.3899
2820.0	743.8211	745.8665	748.9134	758.9653	768.8176	778.4795	787.9580	797.2571	803.6524
2830.0	746.7634	748.8194	751.8800	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8408	765.0190	774.9802	784.7695	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	777.8632	787.4865	797.0234	806.5778	813.4905
2860.0	755.5940	757.6844	760.8059	771.0762	781.1472	791.0244	800.7142	810.2205	816.7690
2870.0	758.5394	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0484
2880.0	761.4861	763.5964	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3285
2890.0	764.4334	766.5588	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3821	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4799	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.6674
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0832	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3679	805.8606	816.1711	826.2881	836.2092	843.0592
2950.0	782.1399	784.3335	787.6049	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0923	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.5272
2970.0	788.0500	790.2666	793.5767	804.4575	815.1447	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.3351	856.2153
2990.0	793.9634	796.2039	799.5481	810.5265	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5156	813.5959	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	805.1169	808.5134	819.6827	830.6467	841.3945	851.9377	862.2817	869.2349
3030.0	805.8037	808.0901	811.5039	822.7158	833.7502	844.5925	855.2466	865.5466	872.7083
3040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
3050.0	811.7297	814.0391	817.4875	828.6362	839.7604	850.8728	861.5779	872.0803	879.3149
3060.0	814.6941	817.0154	820.4812	831.8885	843.0871	854.0347	864.7935	875.3491	882.6201
3070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
3080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	889.2349
3090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447
3100.0	826.5620	828.9297	832.4656	844.0986	855.5061	866.8941	877.6897	888.4375	895.8350
3110.0	829.5315	831.9111	835.4641	847.1548	858.6187	869.8618	880.8916	891.7129	899.1667
3120.0	832.5014	834.8933	838.4639	850.2124	861.7327	873.0313	884.1152	894.9897	902.6805
3130.0	835.4734	837.8742	841.4644	853.2703	864.8472	876.2012	887.3398	898.2673	905.7949
3140.0	838.4454	840.8604	844.4661	856.3286	867.9631	879.3726	890.5857	901.5466	908.1111
3150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	912.4287
3160.0	844.3920	846.8320	850.4729	862.4521	874.1987	885.7192	897.0215	908.1094	915.7576
3170.0	847.3694	849.8194	853.4778	865.5149	877.3181	888.8945	900.2512	911.3928	919.0676
3180.0	850.3511	852.8072	856.4834	868.5786	880.4385	892.0708	903.5817	914.8770	922.3887
3190.0	853.3230	855.7966	859.4902	871.6433	883.5601	895.2480	906.7139	917.9629	925.7117
3200.0	856.3015	858.7869	862.4983	874.7197	886.6831	898.4853	909.9475	921.2500	929.0356
3210.0	859.2804	861.7781	865.5071	877.7761	889.8069	901.6062	913.1821	924.5343	932.3611
3220.0	862.2612	864.7702	868.5141	880.6420	892.8321	904.7874	916.4180	927.8278	935.6880
3230.0	865.2427	867.7633	871.5278	883.9136	896.0583	907.9794	919.6553	931.1194	939.0161
3240.0	868.2251	870.7578	874.5398	886.9834	899.1855	911.1531	922.8936	934.5114	942.3537
3250.0	871.2085	873.7532	877.5527	890.0549	902.3142	914.3379	926.1331	937.7051	945.6764
3260.0	874.1929	876.7491	880.5669	893.1272	905.4438	917.5237	929.3738	941.0880	949.0885
3270.0	877.1785	879.7464	883.5820	896.2009	908.5750	920.7107	932.6162	944.2964	952.3623

ENTHALPY										
PRESSURE = 500.0000										
TEMPERATURE / FUEL/AIR RATIO										
TEMPERATURE DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
280.0	880.1740	882.581	884.611	899.2881	911.7180	923.9089	935.8674	947.6006	955.8829	
290.0	883.2844	885.6765	887.7463	902.4761	914.9546	927.1917	939.1926	950.9631	959.0752	
300.0	886.4938	888.9940	891.0840	907.6660	919.1961	931.4775	943.5205	954.3274	962.4705	
310.0	889.7032	891.213	893.0244	908.8591	920.4364	931.7659	943.8511	954.6958	963.8084	
320.0	892.9126	894.4278	896.1670	912.0549	924.6814	937.0564	949.1843	961.0647	969.2705	
330.0	896.1220	897.645	899.2130	915.2534	927.9290	940.3460	952.5198	964.4375	972.6758	
340.0	899.3314	901.8683	903.4541	918.4541	931.1792	943.6460	955.8577	967.8125	976.0845	
350.0	902.5408	904.4431	906.1255	921.6582	934.4319	946.9487	959.1980	971.1904	979.4968	
360.0	905.7502	907.1800	908.7666	924.8455	937.4487	950.2471	962.5425	974.5718	982.7316	
370.0	908.9596	910.1999	911.9233	928.0750	940.9473	953.4504	965.6882	977.6546	986.3333	
380.0	912.1690	913.6627	915.2874	931.2874	944.2085	956.8584	969.2373	981.3403	989.7573	
390.0	915.3784	916.9788	918.7449	934.5027	947.4727	960.1482	972.5886	984.7290	993.1833	
400.0	918.5878	920.2557	922.0099	937.7205	950.7600	963.4807	975.9436	988.1211	996.6155	
410.0	921.7972	923.4066	925.1774	940.9412	954.0005	966.7986	979.3008	991.5159	1000.0513	
420.0	925.0066	926.5599	928.2484	944.1650	957.2827	970.1156	982.4611	994.5133	1003.0919	
430.0	928.2160	929.8144	931.5924	947.3923	960.5591	973.4368	986.0247	998.3142	1006.8370	
440.0	931.4254	933.0758	934.9084	950.6216	963.8376	976.7620	989.3911	1001.7170	1010.3855	
450.0	934.6348	936.3387	938.2773	953.8542	967.1194	980.0891	992.7603	1005.1233	1013.8384	
460.0	937.8442	939.5925	941.5495	957.0980	970.4050	983.4197	996.1321	1008.5332	1017.5966	
470.0	941.0536	942.8714	944.8450	960.3286	973.6739	986.7529	999.45076	1011.9460	1020.7595	
480.0	944.2630	946.1421	948.1837	963.5701	976.9819	990.0896	1002.8862	1015.3621	1024.2278	
490.0	947.4724	949.4157	951.5244	966.8154	980.2781	993.4294	1006.2683	1018.7815	1027.7009	
500.0	950.6818	952.6924	954.9244	970.0640	983.5759	996.7732	1009.6521	1022.2043	1031.1787	
510.0	953.8912	955.9119	958.1534	973.3142	986.8760	1000.1187	1013.0400	1025.6301	1034.6621	
520.0	957.1006	959.2415	961.5150	976.5684	990.1709	1003.4673	1016.4312	1029.0596	1038.1509	
530.0	960.3100	962.5186	964.8166	979.8259	993.4866	1006.8210	1019.8259	1032.4929	1041.6445	
540.0	963.5194	965.7827	968.1247	983.0854	996.7964	1010.1770	1023.2233	1035.9284	1045.1440	
550.0	966.7288	969.0202	971.3439	986.3499	1000.1094	1013.5356	1026.6249	1039.3699	1048.6504	
560.0	969.9382	972.2244	974.6463	989.6167	1003.4268	1016.8987	1030.0293	1042.8142	1052.1619	
570.0	973.1476	975.4727	977.9462	992.8865	1006.7466	1020.2642	1033.4375	1046.2617	1055.6792	
580.0	976.3570	978.7342	981.2006	996.1604	1010.0703	1023.6333	1036.6481	1049.7124	1059.2026	
590.0	979.5664	981.9917	984.5121	999.4343	1013.3962	1027.0061	1040.2629	1053.1677	1062.7319	
600.0	982.7758	985.2441	987.8144	1002.7146	1016.7266	1030.1823	1043.6782	1056.6767	1064.2688	
610.0	985.9852	988.5000	991.1552	1006.0007	1020.0603	1033.7632	1047.1045	1060.0901	1069.8120	
620.0	989.1946	991.7642	994.4859	1009.2869	1023.3987	1037.1433	1050.5308	1063.5579	1073.3618	
630.0	992.4040	995.0212	997.7944	1012.5769	1026.7380	1040.5325	1053.9600	1067.0295	1076.9187	
640.0	995.6134	998.2837	1001.0545	1015.8701	1030.0818	1043.9233	1057.3935	1070.5049	1080.4817	
650.0	998.8228	1001.5444	1004.3600	1019.1677	1033.4297	1047.3176	1060.8303	1073.9849	1084.0532	
660.0	1002.0322	1004.7456	1007.6256	1022.4843	1036.7808	1050.7156	1064.2717	1077.6592	1087.8304	
670.0	1005.2416	1008.0199	1010.9929	1025.7125	1040.1367	1054.1174	1067.7173	1080.9590	1091.2166	
680.0	1008.4510	1011.2839	1014.3439	1029.0783	1043.4946	1057.5227	1071.1657	1084.4521	1094.8098	
690.0	1011.6604	1014.5304	1017.6980	1032.3916	1046.8574	1060.9324	1074.6191	1087.9500	1098.4106	
700.0	1014.8698	1017.8167	1020.9563	1035.7063	1050.2234	1064.3432	1078.0771	1091.4539	1102.0303	
710.0	1018.0792	1021.1711	1024.4171	1039.0239	1053.5930	1067.7637	1081.5378	1094.9609	1105.6367	
720.0	1021.2886	1024.4282	1027.7252	1042.3444	1056.9873	1071.1851	1085.0042	1098.4744	1109.2615	
730.0	1024.4980	1027.7074	1030.9553	1045.6719	1060.3452	1074.6094	1088.4744	1101.9907	1112.8953	
740.0	1027.7074	1030.9168	1034.1262	1049.0022	1063.7266	1078.0398	1091.9447	1105.5142	1116.5371	
750.0	1030.9168	1034.1262	1037.3356	1052.3354	1067.1125	1081.4741	1095.4277	1109.0420	1120.1880	
760.0	1034.1262	1037.3356	1040.5450	1055.6726	1070.5024	1084.9119	1099.9116	1112.5747	1123.6472	
770.0	1037.3356	1040.5450	1043.7544	1059.0129	1073.8953	1088.9335	1105.8916	1119.6570	1127.5154	
780.0	1040.5450	1043.7544	1046.9638	1062.3586	1077.2930	1091.7998	1105.8916	1119.6570	1131.1931	
790.0	1043.7544	1046.9638	1050.1732	1065.7065	1080.6951	1095.2510	1109.3887	1123.2073	1134.8796	
800.0	1046.9638	1050.1732	1053.3826	1069.0401	1084.1014	1098.7063	1112.6914	1126.7629	1138.5759	
810.0	1050.1732	1053.3826	1056.5920	1072.4170	1087.5120	1102.1665	1116.3984	1130.3242	1142.2622	

PRESSURE = TEMPERATURE / DEGREES R	500.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1052.0488	1055.3064	1060.1265	1065.7773	1070.9258	1075.9301	1080.9354	1085.9409	1090.9461	1095.9516
3830.0	1055.3194	1058.5916	1063.4307	1069.1423	1074.3452	1079.5487	1084.7522	1089.9557	1095.1591	1099.9636
3840.0	1058.5925	1061.8787	1066.7345	1072.5103	1077.7693	1083.0283	1088.2873	1093.5463	1098.8053	1103.5643
3850.0	1061.8644	1065.1707	1070.0505	1075.8945	1081.1940	1086.4935	1091.7930	1097.0925	1102.3920	1107.6915
3860.0	1065.1504	1068.4661	1073.3677	1079.2617	1084.6282	1089.9847	1095.3412	1100.6977	1106.0542	1111.4107
3870.0	1068.4351	1071.7554	1076.6470	1082.6628	1088.0647	1093.4666	1098.8685	1104.2704	1109.6723	1115.0742
3880.0	1071.7231	1075.0684	1080.0103	1086.0281	1091.5059	1096.9838	1102.4617	1107.9396	1113.4175	1118.8954
3890.0	1075.0146	1078.3750	1083.3376	1089.4182	1094.9514	1100.4846	1105.9178	1111.3510	1116.7842	1122.2174
3900.0	1078.3101	1081.6851	1086.6497	1092.8123	1098.4016	1103.9909	1109.5802	1115.1695	1120.7588	1126.3481
3910.0	1081.6042	1084.9995	1090.0054	1096.2107	1101.8569	1107.5031	1113.1493	1118.7955	1124.4417	1130.0879
3920.0	1084.9114	1088.3176	1093.3638	1099.6195	1105.3167	1111.0139	1116.7111	1122.4083	1128.1055	1133.8027
3930.0	1088.2175	1091.6394	1096.6880	1103.0208	1108.7813	1114.5418	1120.3023	1126.0628	1131.8233	1137.5838
3940.0	1091.5241	1094.9648	1100.0354	1106.4329	1112.2505	1118.0681	1123.8857	1129.7033	1135.5209	1141.3385
3950.0	1094.8425	1098.2944	1103.3865	1109.8494	1115.7253	1121.6012	1127.4771	1133.3530	1139.2289	1145.1048
3960.0	1098.1609	1101.6296	1106.7429	1113.2708	1119.2068	1125.1428	1131.0788	1137.0148	1142.9508	1148.8868
3970.0	1101.4824	1104.9673	1110.1075	1116.6948	1122.6897	1128.6846	1134.6795	1140.6744	1146.6693	1152.6642
3980.0	1104.8076	1108.3093	1113.4666	1120.1267	1126.1787	1132.2307	1138.2827	1144.3347	1150.3867	1156.4387
3990.0	1108.1379	1111.6543	1116.8347	1123.5618	1129.6738	1135.7858	1141.8978	1148.0098	1154.1218	1160.2338
4000.0	1111.4727	1115.0049	1120.2080	1127.0020	1133.1738	1139.3456	1145.5174	1151.6892	1157.8610	1164.0328

TEMPERATURE / FUEL/AIR RATIO	ENTHALPY
740.0	720.1254
750.0	726.1311
760.0	732.1368
770.0	738.1425
780.0	744.1482
790.0	750.1539
800.0	756.1596
810.0	762.1653
820.0	768.1710
830.0	774.1767
840.0	780.1824
850.0	786.1881
860.0	792.1938
870.0	798.1995
880.0	804.2052
890.0	810.2109
900.0	816.2166
910.0	822.2223
920.0	828.2280
930.0	834.2337
940.0	840.2394
950.0	846.2451
960.0	852.2508
970.0	858.2565
980.0	864.2622
990.0	870.2679
1000.0	876.2736
1010.0	882.2793
1020.0	888.2850
1030.0	894.2907
1040.0	900.2964
1050.0	906.3021
1060.0	912.3078
1070.0	918.3135
1080.0	924.3192
1090.0	930.3249
1100.0	936.3306
1110.0	942.3363
1120.0	948.3420
1130.0	954.3477
1140.0	960.3534
1150.0	966.3591
1160.0	972.3648
1170.0	978.3705
1180.0	984.3762
1190.0	990.3819
1200.0	996.3876
1210.0	1002.3933
1220.0	1008.3990
1230.0	1014.4047
1240.0	1020.4104
1250.0	1026.4161
1260.0	1032.4218
1270.0	1038.4275
1280.0	1044.4332
1290.0	1050.4389
1300.0	1056.4446
1310.0	1062.4503
1320.0	1068.4560
1330.0	1074.4617
1340.0	1080.4674
1350.0	1086.4731
1360.0	1092.4788
1370.0	1098.4845
1380.0	1104.4902
1390.0	1110.4959
1400.0	1116.5016
1410.0	1122.5073
1420.0	1128.5130
1430.0	1134.5187
1440.0	1140.5244
1450.0	1146.5301
1460.0	1152.5358
1470.0	1158.5415
1480.0	1164.5472
1490.0	1170.5529
1500.0	1176.5586
1510.0	1182.5643
1520.0	1188.5700
1530.0	1194.5757
1540.0	1200.5814
1550.0	1206.5871
1560.0	1212.5928
1570.0	1218.5985
1580.0	1224.6042
1590.0	1230.6099
1600.0	1236.6156
1610.0	1242.6213
1620.0	1248.6270
1630.0	1254.6327
1640.0	1260.6384
1650.0	1266.6441
1660.0	1272.6498
1670.0	1278.6555
1680.0	1284.6612
1690.0	1290.6669
1700.0	1296.6726
1710.0	1302.6783
1720.0	1308.6840
1730.0	1314.6897
1740.0	1320.6954
1750.0	1326.7011
1760.0	1332.7068
1770.0	1338.7125
1780.0	1344.7182
1790.0	1350.7239
1800.0	1356.7296
1810.0	1362.7353
1820.0	1368.7410
1830.0	1374.7467
1840.0	1380.7524
1850.0	1386.7581
1860.0	1392.7638
1870.0	1398.7695
1880.0	1404.7752
1890.0	1410.7809
1900.0	1416.7866
1910.0	1422.7923
1920.0	1428.7980
1930.0	1434.8037
1940.0	1440.8094
1950.0	1446.8151
1960.0	1452.8208
1970.0	1458.8265
1980.0	1464.8322
1990.0	1470.8379
2000.0	1476.8436
2010.0	1482.8493
2020.0	1488.8550
2030.0	1494.8607
2040.0	1500.8664
2050.0	1506.8721
2060.0	1512.8778
2070.0	1518.8835
2080.0	1524.8892
2090.0	1530.8949
2100.0	1536.9006
2110.0	1542.9063
2120.0	1548.9120
2130.0	1554.9177
2140.0	1560.9234
2150.0	1566.9291
2160.0	1572.9348
2170.0	1578.9405
2180.0	1584.9462
2190.0	1590.9519
2200.0	1596.9576
2210.0	1602.9633
2220.0	1608.9690
2230.0	1614.9747
2240.0	1620.9804
2250.0	1626.9861
2260.0	1632.9918
2270.0	1638.9975
2280.0	1644.9932
2290.0	1650.9989
2300.0	1656.9946
2310.0	1662.9903
2320.0	1668.9860
2330.0	1674.9817
2340.0	1680.9774
2350.0	1686.9731
2360.0	1692.9688
2370.0	1698.9645
2380.0	1704.9602
2390.0	1710.9559
2400.0	1716.9516
2410.0	1722.9473
2420.0	1728.9430
2430.0	1734.9387
2440.0	1740.9344
2450.0	1746.9301
2460.0	1752.9258
2470.0	1758.9215
2480.0	1764.9172
2490.0	1770.9129
2500.0	1776.9086
2510.0	1782.9043
2520.0	1788.8999
2530.0	1794.8956
2540.0	1800.8913
2550.0	1806.8870
2560.0	1812.8827
2570.0	1818.8784
2580.0	1824.8741
2590.0	1830.8698
2600.0	1836.8655
2610.0	1842.8612
2620.0	1848.8569
2630.0	1854.8526
2640.0	1860.8483
2650.0	1866.8440
2660.0	1872.8397
2670.0	1878.8354
2680.0	1884.8311
2690.0	1890.8268
2700.0	1896.8225
2710.0	1902.8182
2720.0	1908.8139
2730.0	1914.8096
2740.0	1920.8053
2750.0	1926.8010
2760.0	1932.7967
2770.0	1938.7924
2780.0	1944.7881
2790.0	1950.7838
2800.0	1956.7795
2810.0	1962.7752
2820.0	1968.7709
2830.0	1974.7666
2840.0	1980.7623
2850.0	1986.7580
2860.0	1992.7537
2870.0	1998.7494
2880.0	2004.7451
2890.0	2010.7408
2900.0	2016.7365
2910.0	2022.7322
2920.0	2028.7279
2930.0	2034.7236
2940.0	2040.7193
2950.0	2046.7150
2960.0	2052.7107
2970.0	2058.7064
2980.0	2064.7021
2990.0	2070.6978
3000.0	2076.6935
3010.0	2082.6892
3020.0	2088.6849
3030.0	2094.6806
3040.0	2100.6763
3050.0	2106.6720
3060.0	2112.6677
3070.0	2118.6634
3080.0	2124.6591
3090.0	2130.6548
3100.0	2136.6505
3110.0	2142.6462
3120.0	2148.6419
3130.0	2154.6376
3140.0	2160.6333
3150.0	2166.6290
3160.0	2172.6247
3170.0	2178.6204
3180.0	2184.6161
3190.0	2190.6118
3200.0	2196.6075
3210.0	2202.6032
3220.0	2208.5989
3230.0	2214.5946
3240.0	2220.5903
3250.0	2226.5860
3260.0	2232.5817
3270.0	2238.5774
3280.0	2244.5731
3290.0	2250.5688
3300.0	2256.5645
3310.0	2262.5602
3320.0	2268.5559
3330.0	2274.5516
3340.0	2280.5473
3350.0	2286.5430
3360.0	2292.5387
3370.0	2298.5344
3380.0	2304.5301
3390.0	2310.5258
3400.0	2316.5215
3410.0	2322.5172
3420.0	2328.5129
3430.0	2334.5086
3440.0	2340.5043
3450.0	2346.4999
3460.0	2352.4956
3470.0	2358.4913
3480.0	2364.4870
3490.0	2370.4827
3500.0	2376.4784
3510.0	2382.4741
3520.0	2388.4698
3530.0	2394.4655
3540.0	2400.4612
3550.0	2406.4569
3560.0	2412.4526
3570.0	2418.4483
3580.0	2424.4440
3590.0	2430.4397
3600.0	2436.4354
3610.0	2442.4311
3620.0	2448.4268
3630.0	2454.4225
3640.0	2460.4182
3650.0	2466.4139
3660.0	2472.4096
3670.0	2478.4053
3680.0	2484.4010
3690.0	2490.3967
3700.0	2496.3924
3710.0	2502.3881
3720.0	2508.3838
3730.0	2514.3795
3740.0	2520.3752
3750.0	2526.3709
3760.0	2532.3666
3770.0	2538.3623
3780.0	2544.3580
3790.0	2550.3537
3800.0	2556.3494
3810.0	2562.3451
3820.0	2568.3408
3830.0	2574.3365
3840.0	2580.3322
3850.0	2586.3279
3860.0	2592.3236
3870.0	2598.3193
3880.0	2604.3150
3890.0	2610.3107
3900.0	2616.3064
3910.0	2622.3021
3920.0	2628.2978
3930.0	2634.2935
3940.0	2640.2892
3950.0	2646.2849
3960.0	2652.2806
3970.0	2658.2763
3980.0	2664.2720
3990.0	2670.2677
4000.0	2676.2634
4010.0	2682.2591
4020.0	2688.2548
4030.0	2694.2505
4040.0	2700.2462
4050.0	2706.2419
4060.0	2712.2376
4070.0	2718.2333
4080.0	2724.2290
4090.0	2730.2247
4100.0	2736.2204
4110.0	2742.2161
4120.0	2748.2118
4130.0	2754.2075
4140.0	2760.2032
4150.0	2766.1989
4160.0	2772.1946
4170.0	2778.1903
4180.0	2784.1860
4190.0	2790.1817
4200.0	2796.1774
4210.0	2802.1731
4220.0	2808.1688
4230.0	2814.1645
4240.0	2820.1602
4250.0	2826.1559
4260.0	2832.1516
4270.0	2838.1473
4280.0	2844.1430
4290.0	2850.1387
4300.0	2856.1344
4310.0	2862.1301
4320.0	2868.1258
4330.0	2874.1215
4340.0	2880.1172
4350.0	2886.1129
4360.0	2892.1086
4370.0	2898.1043
4380.0	2904.0999
4390.0	2910.0956
4400.0	2916.0913
4410.0	2922.0870
4420.0	2928.0827
4430.0	2934.0784
4440.0	2940.0741
4450.0	2946.0698
4460.0	2952.0655
4470.0	2958.0612
4480.0	2964.0569
4490.0	2970.0526
4500.0	2976.0483
4510.0	2982.0440
4520.0	2988.0397
4530.0	2994.0354
4540.0	3000.0311
4550.0	3006.0268
4560.0	3012.0225
4570.0	3018.0182
4580.0	3024.0139
4590.0	3030.0096
4600.0	3036.0053
4610.0	3042.0010
4620.0	3048.0067
4630.0	3054.0024
4640.0	3060.0081
4650.0	3066.0038
4660.0	3072.0095
4670.0	3078.0052
4680.0	3084.0009
4690.0	3090.0066
4700.0	3096.0023
4710.0	3102.0080
4720.0	3108.0037
4730.0	3114.0094
4740.0	3120.0051
4750.0	3126.0108
4760.0	3132.0065
4770.0	3138.0122
4780.0	3144.0079
4790.0	3150.0136
4800.0	3156.0093
4810.0	3162.0150
4820.0	3168.0107
4830.0	3174.0164
4840.0	3180.0121
4850.0	3186.0178
4860.0	3192.0135
4870.0	3198.0192
4880.0	3204.0149
4890.0	3210.0206
4900.0	3216.0163
4910.0	3222.0220
4920.0	3228.0177
4930.0	3234.0234
4940.0	3240.0191
4950.0	3246.0248
4960.0	3252.0205
4970.0	3258.0262
4980.0	3264.0219
4990.0	3270.0276
5000.0	3276.0233
5010.0	3282.0290
5020.0	3

ENTHALPY

TEMPERATURE / DEGREES R	600.0/0.00 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	880.1650	882.7451	886.5981	899.2754	911.7068	927.8989	935.8596	947.5960	955.0772	959.0134
3290.0	883.1523	885.7444	889.6152	902.3511	914.8398	927.0801	939.1045	950.8928	958.3739	962.3072
3300.0	886.1417	888.8254	892.7134	905.5039	918.0444	930.3428	942.4041	954.2339	961.7081	965.5825
3310.0	889.1335	891.9467	895.8535	908.6960	921.2856	933.6294	945.7327	957.6080	969.1804	972.5825
3320.0	892.1273	895.0747	899.0954	911.8909	924.5291	936.9189	949.0545	960.9680	972.5825	975.9871
3330.0	895.1240	898.1209	902.1409	915.0881	927.7756	939.2109	950.4966	961.5632	972.3945	975.8097
3340.0	898.1240	901.1335	905.2881	918.2874	931.0247	942.5056	953.7325	964.7119	975.4872	978.9045
3350.0	901.1366	904.1675	908.4382	921.4902	934.2784	946.1030	957.0735	967.9872	978.8069	981.6264
3360.0	904.1417	907.6035	911.5920	924.6968	937.5315	950.1035	961.6158	972.4666	983.2214	985.9824
3370.0	907.1483	910.7424	914.7471	927.9041	940.7883	953.4053	965.7600	977.8472	989.6804	992.5032
3380.0	910.1585	913.8838	917.9060	931.1160	944.0441	956.7114	969.1072	981.2310	993.0632	995.8897
3390.0	913.1708	917.0283	921.0682	934.3301	947.3108	960.0190	972.4568	984.6172	996.3072	999.0194
3400.0	916.1844	920.1760	924.2310	937.5461	950.5764	963.3311	975.8096	988.0071	999.9194	1002.7930
3410.0	919.1992	923.3257	927.3977	940.7656	953.8452	966.6445	979.1650	991.3982	1003.3530	1006.2930
3420.0	922.2144	926.4790	930.5676	943.9885	957.1165	969.9614	982.5234	994.7930	1007.7930	1010.7351
3430.0	925.2300	929.6343	933.7395	947.2136	960.3914	973.2813	985.8848	998.1909	1010.5916	1013.5826
3440.0	928.2464	932.7922	936.9146	950.4417	963.6880	976.6035	989.2883	1001.5916	1014.6263	1017.7355
3450.0	931.2628	935.9529	940.0930	953.6729	966.9480	979.9287	992.6152	1004.9014	1017.7355	1020.8891
3460.0	934.2800	939.1177	943.2737	956.9070	970.2312	983.2573	995.9849	1008.4014	1020.8891	1024.0595
3470.0	937.2984	942.2844	946.4578	960.1443	973.5173	986.5889	999.3574	1011.8110	1024.0595	1027.3149
3480.0	940.3168	945.2536	949.4825	963.3840	976.6059	989.9231	1002.7374	1015.2264	1027.3149	1030.8051
3490.0	943.3352	948.3235	952.6347	966.6274	980.0986	993.2603	1006.1121	1018.6396	1030.8051	1034.6609
3500.0	946.3536	951.4020	955.8276	969.8738	983.3940	996.6419	1009.4941	1022.0588	1034.6609	1038.5224
3510.0	949.3720	954.4800	959.0227	973.1221	986.6910	999.9451	1012.8789	1025.4819	1038.5224	1042.3880
3520.0	952.3904	957.5609	962.2211	976.3752	989.9929	1003.2915	1016.2658	1028.9065	1042.3880	1046.2536
3530.0	955.4088	960.6355	965.6235	979.6299	993.2981	1006.6416	1019.0587	1031.3364	1046.2536	1050.1192
3540.0	958.4272	963.7125	968.8887	982.8887	996.6055	1009.9939	1023.0530	1035.7678	1050.1192	1054.9800
3550.0	961.4456	966.7829	972.0347	986.1501	999.9165	1013.3506	1026.4507	1039.9851	1054.9800	1059.8412
3560.0	964.4640	969.8544	975.2454	989.4150	1003.2307	1016.7102	1029.8516	1042.6433	1059.8412	1064.7017
3570.0	967.4824	972.9123	978.4595	992.6826	1006.5474	1020.0728	1032.2559	1045.0867	1064.7017	1069.5632
3580.0	970.5008	976.0108	981.6770	995.9539	1009.8687	1023.4395	1036.6538	1049.3330	1069.5632	1074.4243
3590.0	973.5192	979.1608	984.9662	999.2280	1013.1921	1026.6088	1040.0750	1052.9832	1074.4243	1079.2851
3600.0	976.5376	982.3188	988.1194	1002.5056	1016.5193	1030.1819	1043.4395	1056.4373	1079.2851	1084.1458
3610.0	979.5560	985.4000	991.3452	1005.7866	1019.8506	1033.5586	1046.9082	1059.8953	1084.1458	1089.0067
3620.0	982.5744	988.3877	994.3745	1009.0708	1023.1838	1036.9375	1050.3896	1063.3869	1089.0067	1093.8676
3630.0	985.5928	991.5400	997.6079	1012.3586	1026.5217	1040.3208	1053.7944	1066.8232	1093.8676	1098.7285
3640.0	988.6112	994.6877	1000.8487	1015.5487	1029.8625	1043.7078	1057.1933	1070.2922	1098.7285	1103.5894
3650.0	991.6296	997.8920	1004.2822	1018.9434	1033.2073	1047.0984	1060.6167	1073.7664	1098.7285	1108.4503
3660.0	994.6480	1001.0154	1007.5244	1022.2410	1036.5567	1050.4924	1064.0532	1077.2456	1098.7285	1113.3112
3670.0	997.6664	1004.2429	1010.7695	1025.5422	1039.9067	1053.8904	1067.4934	1080.7273	1098.7285	1118.1721
3680.0	1000.6848	1007.4734	1014.0183	1028.8464	1043.2615	1057.2913	1070.9377	1084.2136	1098.7285	1123.0330
3690.0	1003.7032	1010.7070	1017.2715	1032.1548	1046.6201	1060.6960	1074.3953	1087.7051	1098.7285	1127.8939
3700.0	1006.7216	1013.8443	1020.5266	1035.4673	1049.9827	1064.1055	1077.8379	1091.2002	1098.7285	1132.7548
3710.0	1009.7400	1016.9637	1023.7849	1038.7813	1053.3479	1067.5181	1081.2932	1094.7002	1098.7285	1137.6157
3720.0	1012.7584	1019.9872	1026.9479	1042.1003	1056.7102	1070.9368	1084.7339	1098.2051	1098.7285	1142.4766
3730.0	1015.7768	1022.9856	1030.0127	1045.4224	1060.0913	1074.3555	1088.2175	1101.7146	1098.7285	1147.3375
3740.0	1018.7952	1026.0040	1033.0310	1048.7483	1063.4590	1077.7800	1091.6853	1105.2292	1098.7285	1152.1984
3750.0	1021.8136	1029.0225	1036.0547	1052.0779	1066.5624	1081.2078	1095.1597	1108.7483	1098.7285	1157.0593
3760.0	1024.8320	1032.0414	1039.0740	1055.4114	1069.6658	1084.7304	1098.6355	1112.2727	1098.7285	1161.9202
3770.0	1027.8504	1035.0599	1042.0924	1058.7483	1072.6238	1088.2528	1102.1167	1115.8015	1098.7285	1166.7811
3780.0	1030.8688	1038.0794	1045.1119	1062.0894	1075.7172	1091.7681	1105.9323	1119.3362	1098.7285	1171.6420
3790.0	1033.8872	1041.0979	1048.1254	1065.4238	1078.8106	1094.8631	1109.0030	1122.8765	1098.7285	1176.5029
3800.0	1036.9056	1044.1164	1051.1519	1068.7822	1081.9040	1097.9940	1112.0776	1126.0219	1098.7285	1181.3638
3810.0	1039.9240	1047.1348	1054.1703	1072.1348	1084.9230	1099.0130	1114.1286	1129.0724	1098.7285	1186.2247

ENTHALPY

PRESSURE = 600.0000 TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3A20.0	1051.799A	1055.048A	1059.8601	1075.4919	1090.6292	1105.3240	1119.4916	1133.528A	1145.1555
3A30.0	1055.066A	1058.3311	1063.1604	1078.8518	1094.0432	1108.7861	1123.1003	1137.0913	1149.0401
3A40.0	1058.136A	1061.6147	1066.4656	1082.2153	1097.4592	1112.2524	1126.6135	1140.654A	1152.7739
3A50.0	1061.611A	1064.9034	1069.7739	1085.5840	1100.8813	1115.7239	1130.1331	1144.2324	1156.4973
3A60.0	1064.8889	1068.1951	1073.0859	1088.9658	1104.3071	1119.2004	1133.5565	1147.8120	1160.2297
3A70.0	1068.1702	1071.4919	1076.4014	1092.3325	1107.7383	1122.6807	1137.1853	1151.3984	1163.9727
3A80.0	1071.4543	1074.7908	1079.7202	1095.7122	1111.1731	1126.1853	1140.7188	1154.9887	1167.725A
3A90.0	1074.7429	1078.0938	1083.0447	1099.0974	1114.6118	1129.6550	1144.2578	1158.5898	1171.4893
3900.0	1078.0349	1081.3994	1086.3716	1102.4854	1118.0557	1133.1499	1147.8027	1162.1926	1176.2625
3910.0	1081.3304	1084.7100	1089.7026	1105.8784	1121.5042	1136.6501	1151.3518	1165.8064	1179.0466
3920.0	1084.6289	1088.0232	1093.0381	1109.2754	1124.9561	1140.1543	1154.8053	1169.4250	1182.8423
3930.0	1087.9314	1091.3418	1096.3755	1112.6770	1128.413A	1143.663A	1158.4673	1173.0505	1186.6484
3940.0	1091.2375	1094.663A	1099.7192	1116.0820	1131.8762	1147.1782	1162.0337	1176.6A31	1190.6644
3950.0	1094.5483	1097.988A	1103.0664	1119.4929	1135.3425	1150.6980	1165.6050	1180.3220	1194.2917
3960.0	1097.8623	1101.3175	1106.4163	1122.9080	1138.8145	1154.2327	1169.1831	1183.9592	1198.1313
3970.0	1101.1809	1104.6511	1109.7725	1126.3244	1142.2917	1157.7524	1172.7671	1187.6218	1201.9817
3980.0	1104.5012	1107.9883	1113.1306	1129.7500	1145.7725	1161.2881	1176.3562	1191.2861	1205.8440
3990.0	1107.8267	1111.329A	1116.4937	1133.1780	1149.2585	1164.8289	1179.9521	1194.9548	1209.7178
4000.0	1111.155A	1114.674A	1119.8613	1136.6108	1152.7500	1168.3750	1183.5544	1198.632A	1213.602A

**Table 5. Entropy of $C_nH_{1.95n}$ /Air Exhaust Gas
for Various Temperatures and Pressures**

Temperature Range: 600 to 4,000°R

0.1 to 600.0 psia

PRESSURE = TEMPERATURE / DEGREES R	0.1000 FUEL/AIR RATIO	ENTROPY									
		0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.080	0.100	
600.0	2.0139	2.0156	2.0178	2.0233	2.0269	2.0289	2.0295	2.0294	2.0297	2.0297	
700.0	2.0520	2.0538	2.0561	2.0620	2.0659	2.0681	2.0693	2.0685	2.0686	2.0686	
800.0	2.0850	2.0868	2.0893	2.0955	2.0998	2.1025	2.1038	2.1034	2.1034	2.1034	
900.0	2.1138	2.1157	2.1182	2.1248	2.1294	2.1325	2.1341	2.1340	2.1340	2.1340	
1000.0	2.1398	2.1418	2.1444	2.1513	2.1563	2.1597	2.1616	2.1618	2.1618	2.1618	
1100.0	2.1639	2.1659	2.1686	2.1759	2.1811	2.1848	2.1871	2.1875	2.1875	2.1875	
1200.0	2.1862	2.1883	2.1911	2.1987	2.2042	2.2082	2.2107	2.2115	2.2115	2.2115	
1300.0	2.2070	2.2091	2.2120	2.2199	2.2257	2.2300	2.2328	2.2338	2.2338	2.2338	
1400.0	2.2263	2.2285	2.2316	2.2397	2.2458	2.2503	2.2534	2.2547	2.2547	2.2547	
1500.0	2.2445	2.2468	2.2499	2.2583	2.2646	2.2694	2.2728	2.2743	2.2743	2.2743	
1600.0	2.2617	2.2640	2.2672	2.2759	2.2825	2.2875	2.2911	2.2929	2.2929	2.2929	
1700.0	2.2781	2.2805	2.2837	2.2926	2.2995	2.3048	2.3086	2.3106	2.3106	2.3106	
1800.0	2.2939	2.2963	2.2996	2.3088	2.3159	2.3215	2.3255	2.3277	2.3277	2.3277	
1900.0	2.3087	2.3111	2.3145	2.3239	2.3313	2.3371	2.3413	2.3438	2.3438	2.3438	
2000.0	2.3232	2.3257	2.3292	2.3388	2.3464	2.3524	2.3569	2.3596	2.3596	2.3596	
2100.0	2.3375	2.3403	2.3439	2.3536	2.3612	2.3674	2.3729	2.3761	2.3761	2.3761	
2200.0	2.3518	2.3546	2.3582	2.3680	2.3757	2.3818	2.3871	2.3893	2.3893	2.3893	
2300.0	2.3659	2.3689	2.3725	2.3823	2.3900	2.3961	2.4014	2.4031	2.4031	2.4031	
2400.0	2.3799	2.3830	2.3866	2.3964	2.4041	2.4094	2.4147	2.4164	2.4164	2.4164	
2500.0	2.3938	2.3975	2.4011	2.4109	2.4186	2.4239	2.4292	2.4315	2.4315	2.4315	
2600.0	2.4075	2.4112	2.4148	2.4246	2.4323	2.4376	2.4429	2.4446	2.4446	2.4446	
2700.0	2.4211	2.4248	2.4284	2.4382	2.4459	2.4512	2.4565	2.4582	2.4582	2.4582	
2800.0	2.4346	2.4383	2.4419	2.4517	2.4594	2.4647	2.4700	2.4717	2.4717	2.4717	
2900.0	2.4480	2.4517	2.4553	2.4651	2.4728	2.4781	2.4834	2.4851	2.4851	2.4851	
3000.0	2.4613	2.4650	2.4686	2.4784	2.4861	2.4914	2.4967	2.4984	2.4984	2.4984	
3100.0	2.4746	2.4783	2.4819	2.4917	2.5004	2.5057	2.5110	2.5127	2.5127	2.5127	
3200.0	2.4878	2.4915	2.4951	2.5049	2.5136	2.5189	2.5242	2.5259	2.5259	2.5259	
3300.0	2.5010	2.5047	2.5083	2.5181	2.5268	2.5321	2.5374	2.5391	2.5391	2.5391	
3400.0	2.5142	2.5179	2.5215	2.5313	2.5400	2.5453	2.5506	2.5523	2.5523	2.5523	
3500.0	2.5274	2.5311	2.5347	2.5445	2.5532	2.5585	2.5638	2.5655	2.5655	2.5655	
3600.0	2.5406	2.5443	2.5479	2.5577	2.5664	2.5717	2.5770	2.5787	2.5787	2.5787	
3700.0	2.5538	2.5575	2.5611	2.5709	2.5796	2.5849	2.5902	2.5919	2.5919	2.5919	
3800.0	2.5670	2.5707	2.5743	2.5841	2.5928	2.6000	2.6053	2.6070	2.6070	2.6070	
3900.0	2.5802	2.5839	2.5875	2.5973	2.6060	2.6132	2.6185	2.6202	2.6202	2.6202	
4000.0	2.5934	2.5971	2.6007	2.6105	2.6192	2.6264	2.6317	2.6334	2.6334	2.6334	

ENTROPY

PRESSURE = TEMPERATURE / DEGREES R	0.5000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.9035	1.9051	1.9073	1.9128	1.9164	1.9184	1.9190	1.9190	1.9179	1.9153
700.0	1.9416	1.9433	1.9455	1.9515	1.9555	1.9570	1.9580	1.9580	1.9580	1.9556
800.0	1.9746	1.9764	1.9788	1.9851	1.9893	1.9921	1.9934	1.9934	1.9929	1.9907
900.0	2.0033	2.0052	2.0078	2.0144	2.0190	2.0220	2.0236	2.0236	2.0235	2.0215
1000.0	2.0294	2.0313	2.0340	2.0409	2.0454	2.0492	2.0511	2.0511	2.0511	2.0495
1100.0	2.0535	2.0555	2.0582	2.0654	2.0707	2.0744	2.0766	2.0766	2.0771	2.0755
1200.0	2.0750	2.0779	2.0807	2.0882	2.0936	2.0977	2.1003	2.1003	2.1010	2.0996
1300.0	2.0965	2.0987	2.1016	2.1094	2.1152	2.1195	2.1223	2.1223	2.1233	2.1221
1400.0	2.1159	2.1181	2.1211	2.1292	2.1353	2.1399	2.1429	2.1429	2.1442	2.1432
1500.0	2.1341	2.1364	2.1395	2.1478	2.1542	2.1590	2.1623	2.1623	2.1638	2.1630
1600.0	2.1513	2.1536	2.1568	2.1654	2.1720	2.1771	2.1806	2.1806	2.1824	2.1817
1700.0	2.1677	2.1701	2.1733	2.1822	2.1891	2.1944	2.1981	2.1981	2.2002	2.1997
1800.0	2.1835	2.1859	2.1892	2.1983	2.2055	2.2110	2.2150	2.2150	2.2173	2.2169
1900.0	2.1982	2.2007	2.2041	2.2135	2.2208	2.2266	2.2309	2.2309	2.2333	2.2331
2000.0	2.2128	2.2153	2.2188	2.2284	2.2360	2.2420	2.2464	2.2464	2.2491	2.2491
2100.0	2.2334	2.2360	2.2396	2.2496	2.2575	2.2638	2.2684	2.2684	2.2716	2.2718
2200.0	2.2400	2.2426	2.2462	2.2563	2.2643	2.2708	2.2757	2.2757	2.2788	2.2790
2300.0	2.2564	2.2591	2.2627	2.2729	2.2809	2.2876	2.2926	2.2926	2.2958	2.2961
2400.0	2.2588	2.2615	2.2652	2.2756	2.2839	2.2907	2.2959	2.2959	2.2993	2.2998
2500.0	2.2706	2.2734	2.2771	2.2878	2.2962	2.3033	2.3084	2.3084	2.3119	2.3129
2600.0	2.2764	2.2791	2.2829	2.2937	2.3024	2.3094	2.3145	2.3145	2.3181	2.3193
2700.0	2.2821	2.2848	2.2887	2.2995	2.3083	2.3155	2.3206	2.3206	2.3242	2.3256
2800.0	2.2877	2.2905	2.2943	2.3053	2.3142	2.3214	2.3265	2.3265	2.3301	2.3319
2900.0	2.2933	2.2961	2.3000	2.3110	2.3200	2.3272	2.3323	2.3323	2.3359	2.3380
3000.0	2.2989	2.3017	2.3056	2.3167	2.3256	2.3328	2.3379	2.3379	2.3415	2.3442
3100.0	2.3042	2.3071	2.3110	2.3223	2.3314	2.3386	2.3437	2.3437	2.3473	2.3502
3200.0	2.3096	2.3125	2.3164	2.3278	2.3370	2.3442	2.3493	2.3493	2.3529	2.3561
3300.0	2.3149	2.3178	2.3218	2.3333	2.3425	2.3497	2.3548	2.3548	2.3584	2.3621
3400.0	2.3202	2.3231	2.3271	2.3387	2.3481	2.3553	2.3604	2.3604	2.3640	2.3680
3500.0	2.3254	2.3283	2.3324	2.3441	2.3536	2.3608	2.3659	2.3659	2.3695	2.3739
3600.0	2.3306	2.3335	2.3377	2.3494	2.3590	2.3662	2.3713	2.3713	2.3749	2.3798
3700.0	2.3357	2.3387	2.3428	2.3547	2.3644	2.3716	2.3767	2.3767	2.3803	2.3858
3800.0	2.3408	2.3438	2.3480	2.3600	2.3698	2.3770	2.3821	2.3821	2.3857	2.3917
3900.0	2.3459	2.3489	2.3531	2.3652	2.3751	2.3823	2.3874	2.3874	2.3910	2.3978
4000.0	2.3509	2.3539	2.3582	2.3704	2.3804	2.3876	2.3927	2.3927	2.4008	2.4039
4100.0	2.3559	2.3589	2.3632	2.3756	2.3856	2.3928	2.3979	2.3979	2.4066	2.4101
4200.0	2.3608	2.3639	2.3683	2.3807	2.3907	2.3979	2.4030	2.4030	2.4123	2.4164
4300.0	2.3658	2.3689	2.3733	2.3859	2.3963	2.4035	2.4086	2.4086	2.4182	2.4228
4400.0	2.3707	2.3739	2.3783	2.3910	2.4016	2.4088	2.4139	2.4139	2.4241	2.4294
4500.0	2.3756	2.3788	2.3833	2.3962	2.4070	2.4142	2.4193	2.4193	2.4302	2.4362
4600.0	2.3805	2.3838	2.3883	2.4014	2.4123	2.4195	2.4246	2.4246	2.4364	2.4431
4700.0	2.3854	2.3887	2.3934	2.4066	2.4178	2.4250	2.4301	2.4301	2.4428	2.4503
4800.0	2.3903	2.3937	2.3984	2.4119	2.4233	2.4305	2.4356	2.4356	2.4484	2.4576
4900.0	2.3953	2.3987	2.4035	2.4173	2.4289	2.4361	2.4412	2.4412	2.4540	2.4652
5000.0	2.4003	2.4038	2.4087	2.4227	2.4346	2.4418	2.4469	2.4469	2.4607	2.4731
5100.0	2.4053	2.4089	2.4139	2.4282	2.4404	2.4476	2.4527	2.4527	2.4665	2.4813
5200.0	2.4104	2.4141	2.4192	2.4339	2.4464	2.4536	2.4587	2.4587	2.4725	2.4898
5300.0	2.4156	2.4194	2.4246	2.4397	2.4526	2.4598	2.4649	2.4649	2.4787	2.4986
5400.0	2.4209	2.4247	2.4301	2.4456	2.4586	2.4658	2.4709	2.4709	2.4847	2.5077
5500.0	2.4263	2.4302	2.4357	2.4518	2.4657	2.4729	2.4780	2.4780	2.5018	2.5172
4000.0	2.4310	2.4359	2.4416	2.4581	2.4726	2.4798	2.4849	2.4849	2.5087	2.5272

PRESSURE = 1.0000		ENTROPY									
TEMPERATURE / FUEL/AIR RATIO											
DEGREES R	0.0005	0.0010	0.0020	0.0030	0.0400	0.0500	0.0600	0.0677			
600.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
700.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
800.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
900.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1000.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1100.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1200.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1300.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1400.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1500.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1600.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1700.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1800.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
1900.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2000.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2100.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2200.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2300.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2400.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2500.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2600.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2700.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2800.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
2900.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3000.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3100.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3200.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3300.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3400.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3500.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3600.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3700.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3800.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
3900.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			
4000.0	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677			

ENTROPY

TEMPERATURE DEGREES R	5.0000 FUEL/AIR RATIO	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.7455	1.7472	1.7494	1.7548	1.7584	1.7604	1.7617	1.7599	1.7572
700.0	1.7816	1.7854	1.7877	1.7935	1.7974	1.7998	1.8017	1.8000	1.7975
800.0	1.8166	1.8184	1.8208	1.8271	1.8313	1.8340	1.8353	1.8349	1.8326
900.0	1.8454	1.8473	1.8498	1.8569	1.8609	1.8636	1.8656	1.8655	1.8635
1000.0	1.8714	1.8734	1.8760	1.8829	1.8878	1.8912	1.8931	1.8932	1.8915
1100.0	1.8955	1.8975	1.9002	1.9074	1.9127	1.9163	1.9185	1.9190	1.9174
1200.0	1.9178	1.9199	1.9227	1.9302	1.9357	1.9397	1.9422	1.9429	1.9416
1300.0	1.9388	1.9407	1.9436	1.9514	1.9572	1.9615	1.9642	1.9652	1.9651
1400.0	1.9579	1.9601	1.9631	1.9712	1.9763	1.9818	1.9848	1.9851	1.9851
1500.0	1.9761	1.9784	1.9815	1.9898	1.9962	2.0009	2.0042	2.0058	2.0069
1600.0	1.9933	1.9956	1.9988	2.0074	2.0140	2.0191	2.0236	2.0243	2.0237
1700.0	2.0097	2.0121	2.0153	2.0242	2.0311	2.0363	2.0401	2.0421	2.0416
1800.0	2.0255	2.0279	2.0312	2.0403	2.0475	2.0530	2.0570	2.0592	2.0596
1900.0	2.0403	2.0427	2.0461	2.0555	2.0628	2.0686	2.0728	2.0753	2.0751
2000.0	2.0548	2.0573	2.0608	2.0704	2.0779	2.0839	2.0894	2.0910	2.0910
2100.0	2.0752	2.0781	2.0816	2.0916	2.0995	2.1058	2.1115	2.1136	2.1137
2200.0	2.0820	2.0846	2.0882	2.0983	2.1063	2.1127	2.1176	2.1210	2.1210
2300.0	2.0984	2.0911	2.0947	2.1049	2.1130	2.1195	2.1245	2.1277	2.1290
2400.0	2.0947	2.0974	2.1010	2.1113	2.1195	2.1262	2.1319	2.1346	2.1350
2500.0	2.1008	2.1035	2.1072	2.1176	2.1259	2.1327	2.1379	2.1413	2.1417
2600.0	2.1068	2.1095	2.1132	2.1237	2.1322	2.1390	2.1443	2.1478	2.1484
2700.0	2.1127	2.1154	2.1191	2.1298	2.1383	2.1453	2.1507	2.1543	2.1549
2800.0	2.1184	2.1212	2.1250	2.1357	2.1443	2.1514	2.1569	2.1606	2.1613
2900.0	2.1241	2.1269	2.1307	2.1415	2.1503	2.1574	2.1630	2.1668	2.1676
3000.0	2.1297	2.1325	2.1364	2.1473	2.1561	2.1634	2.1691	2.1730	2.1738
3100.0	2.1353	2.1381	2.1420	2.1530	2.1620	2.1693	2.1751	2.1791	2.1800
3200.0	2.1409	2.1437	2.1476	2.1587	2.1678	2.1752	2.1811	2.1852	2.1861
3300.0	2.1462	2.1490	2.1530	2.1642	2.1734	2.1809	2.1869	2.1911	2.1920
3400.0	2.1514	2.1543	2.1583	2.1696	2.1789	2.1865	2.1926	2.1968	2.1979
3500.0	2.1566	2.1595	2.1635	2.1750	2.1843	2.1920	2.1982	2.2026	2.2037
3600.0	2.1618	2.1647	2.1687	2.1802	2.1897	2.1975	2.2038	2.2082	2.2094
3700.0	2.1669	2.1699	2.1739	2.1855	2.1951	2.2030	2.2093	2.2139	2.2151
3800.0	2.1721	2.1751	2.1791	2.1908	2.2004	2.2084	2.2149	2.2195	2.2208
3900.0	2.1772	2.1801	2.1843	2.1961	2.2058	2.2138	2.2204	2.2250	2.2265
4000.0	2.1822	2.1852	2.1893	2.2012	2.2110	2.2192	2.2258	2.2305	2.2321
4100.0	2.1872	2.1902	2.1944	2.2064	2.2163	2.2245	2.2312	2.2360	2.2377
4200.0	2.1921	2.1952	2.1994	2.2115	2.2215	2.2298	2.2365	2.2415	2.2433
4300.0	2.1970	2.2001	2.2043	2.2165	2.2265	2.2350	2.2418	2.2469	2.2490
4400.0	2.2019	2.2050	2.2092	2.2215	2.2317	2.2402	2.2471	2.2522	2.2546
4500.0	2.2067	2.2099	2.2141	2.2265	2.2368	2.2453	2.2523	2.2576	2.2602
4600.0	2.2114	2.2146	2.2189	2.2314	2.2418	2.2505	2.2576	2.2629	2.2659
4700.0	2.2162	2.2193	2.2237	2.2363	2.2468	2.2555	2.2628	2.2683	2.2717
4800.0	2.2209	2.2240	2.2285	2.2412	2.2517	2.2604	2.2680	2.2736	2.2775
4900.0	2.2255	2.2287	2.2332	2.2460	2.2567	2.2657	2.2731	2.2790	2.2831
5000.0	2.2301	2.2334	2.2379	2.2508	2.2616	2.2707	2.2783	2.2845	2.2892
5100.0	2.2347	2.2380	2.2425	2.2556	2.2666	2.2758	2.2836	2.2899	2.2953
5200.0	2.2393	2.2426	2.2472	2.2604	2.2715	2.2809	2.2888	2.2955	2.3014
5300.0	2.2438	2.2472	2.2518	2.2652	2.2764	2.2860	2.2941	2.3011	2.3076
5400.0	2.2483	2.2517	2.2564	2.2700	2.2814	2.2911	2.2994	2.3068	2.3139
5500.0	2.2528	2.2563	2.2611	2.2748	2.2864	2.2963	2.3049	2.3127	2.3204
5600.0	2.2574	2.2608	2.2657	2.2796	2.2914	2.3015	2.3104	2.3187	2.3270
5700.0	2.2619	2.2654	2.2703	2.2845	2.2964	2.3068	2.3160	2.3248	2.3338
5800.0	2.2664	2.2700	2.2749	2.2894	2.2964	2.3068	2.3160	2.3252	2.3347

PRESSURE = TEMPERATURE / DEGREES R	10.0000 FUEL/AIR RATIO	ENTROPY									
		0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
600.0	1.5979	1.6996	1.7018	1.7073	1.7108	1.7128	1.7134	1.7123	1.7096		
700.0	1.7360	1.7378	1.7401	1.7460	1.7499	1.7522	1.7532	1.7524	1.7499		
800.0	1.7690	1.7709	1.7733	1.7795	1.7837	1.7865	1.7877	1.7873	1.7851		
900.0	1.7973	1.7997	1.8022	1.8088	1.8134	1.8164	1.8177	1.8179	1.8159		
1000.0	1.8238	1.8258	1.8284	1.8353	1.8402	1.8436	1.8455	1.8457	1.8439		
1100.0	1.8479	1.8499	1.8527	1.8599	1.8651	1.8688	1.8710	1.8714	1.8694		
1200.0	1.8702	1.8723	1.8751	1.8827	1.8882	1.8921	1.8946	1.8944	1.8940		
1300.0	1.8911	1.8931	1.8961	1.9039	1.9097	1.9139	1.9167	1.9177	1.9165		
1400.0	1.9104	1.9126	1.9156	1.9237	1.9297	1.9342	1.9373	1.9385	1.9375		
1500.0	1.9236	1.9258	1.9289	1.9373	1.9436	1.9484	1.9527	1.9542	1.9533		
1600.0	1.9458	1.9481	1.9512	1.9598	1.9665	1.9715	1.9750	1.9768	1.9761		
1700.0	1.9622	1.9645	1.9679	1.9766	1.9835	1.9888	1.9925	1.9945	1.9940		
1800.0	1.9779	1.9804	1.9837	1.9928	1.9999	2.0054	2.0094	2.0116	2.0113		
1900.0	1.9927	1.9952	1.9986	2.0079	2.0153	2.0210	2.0252	2.0277	2.0275		
2000.0	2.0072	2.0098	2.0132	2.0228	2.0304	2.0363	2.0408	2.0435	2.0434		
2100.0	2.0279	2.0305	2.0341	2.0440	2.0519	2.0582	2.0630	2.0660	2.0661		
2200.0	2.0345	2.0371	2.0407	2.0507	2.0588	2.0652	2.0701	2.0731	2.0734		
2300.0	2.0409	2.0435	2.0471	2.0573	2.0654	2.0720	2.0770	2.0801	2.0805		
2400.0	2.0533	2.0559	2.0596	2.0697	2.0784	2.0851	2.0903	2.0937	2.0942		
2500.0	2.0651	2.0678	2.0716	2.0822	2.0907	2.0977	2.1031	2.1067	2.1073		
2600.0	2.0765	2.0793	2.0831	2.0939	2.1027	2.1099	2.1153	2.1193	2.1200		
2700.0	2.0877	2.0905	2.0944	2.1054	2.1144	2.1218	2.1275	2.1324	2.1326		
2800.0	2.1030	2.1058	2.1097	2.1212	2.1303	2.1377	2.1436	2.1485	2.1485		
2900.0	2.1142	2.1171	2.1212	2.1327	2.1421	2.1499	2.1562	2.1606	2.1610		
3000.0	2.1294	2.1323	2.1364	2.1479	2.1574	2.1653	2.1712	2.1762	2.1771		
3100.0	2.1454	2.1483	2.1524	2.1639	2.1734	2.1813	2.1872	2.1922	2.1931		
3200.0	2.1614	2.1643	2.1684	2.1799	2.1894	2.1973	2.2032	2.2082	2.2091		
3300.0	2.1774	2.1803	2.1844	2.1959	2.2054	2.2133	2.2192	2.2242	2.2251		
3400.0	2.1934	2.1963	2.2004	2.2119	2.2214	2.2293	2.2352	2.2402	2.2411		
3500.0	2.2094	2.2123	2.2164	2.2279	2.2374	2.2453	2.2512	2.2562	2.2571		
3600.0	2.2254	2.2283	2.2324	2.2439	2.2534	2.2613	2.2672	2.2722	2.2731		
3700.0	2.2414	2.2443	2.2484	2.2599	2.2694	2.2773	2.2832	2.2882	2.2891		
3800.0	2.2574	2.2603	2.2644	2.2759	2.2854	2.2933	2.2992	2.3042	2.3051		
3900.0	2.2734	2.2763	2.2804	2.2919	2.3014	2.3093	2.3152	2.3202	2.3211		
4000.0	2.2894	2.2923	2.2964	2.3079	2.3174	2.3253	2.3312	2.3362	2.3371		

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PRESSURE - TEMPERATURE / DEGREES R	20.0000 FUEL/AIR RATIO		ENTROPY									
	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067			
600.0	1.6504	1.6520	1.6542	1.6597	1.6632	1.6653	1.6658	1.6647	1.6620			
700.0	1.6504	1.6520	1.6542	1.6597	1.6632	1.6653	1.6658	1.6647	1.6620			
800.0	1.7215	1.7233	1.7257	1.7319	1.7362	1.7389	1.7408	1.7398	1.7375			
900.0	1.7502	1.7521	1.7547	1.7612	1.7658	1.7689	1.7704	1.7694	1.7663			
1000.0	1.7751	1.7782	1.7809	1.7878	1.7927	1.7960	1.7979	1.7961	1.7923			
1100.0	1.8004	1.8024	1.8051	1.8123	1.8175	1.8212	1.8234	1.8234	1.8197			
1200.0	1.8227	1.8244	1.8276	1.8351	1.8406	1.8446	1.8470	1.8470	1.8434			
1300.0	1.8434	1.8456	1.8485	1.8563	1.8621	1.8661	1.8689	1.8689	1.8653			
1400.0	1.8628	1.8650	1.8680	1.8761	1.8822	1.8867	1.8897	1.8897	1.8861			
1500.0	1.8810	1.8833	1.8863	1.8947	1.9010	1.9058	1.9091	1.9091	1.9055			
1600.0	1.8862	1.8885	1.8915	1.9000	1.9063	1.9123	1.9174	1.9174	1.9138			
1700.0	1.9146	1.9170	1.9202	1.9291	1.9359	1.9412	1.9449	1.9449	1.9413			
1800.0	1.9304	1.9324	1.9361	1.9452	1.9523	1.9578	1.9618	1.9618	1.9582			
1900.0	1.9452	1.9476	1.9510	1.9604	1.9677	1.9734	1.9776	1.9776	1.9740			
2000.0	1.9597	1.9622	1.9657	1.9752	1.9828	1.9884	1.9922	1.9922	1.9886			
2100.0	1.9803	1.9829	1.9865	1.9964	2.0043	2.0106	2.0134	2.0134	2.0098			
2200.0	1.9869	1.9895	1.9931	2.0032	2.0112	2.0176	2.0225	2.0225	2.0189			
2300.0	1.9933	1.9959	1.9996	2.0097	2.0179	2.0244	2.0294	2.0294	2.0258			
2400.0	1.9996	2.0022	2.0059	2.0162	2.0244	2.0310	2.0361	2.0361	2.0325			
2500.0	2.0057	2.0084	2.0121	2.0225	2.0308	2.0375	2.0427	2.0427	2.0391			
2600.0	2.0117	2.0144	2.0181	2.0286	2.0370	2.0439	2.0492	2.0492	2.0456			
2700.0	2.0175	2.0203	2.0240	2.0346	2.0432	2.0501	2.0555	2.0555	2.0519			
2800.0	2.0233	2.0260	2.0298	2.0405	2.0492	2.0562	2.0617	2.0617	2.0581			
2900.0	2.0290	2.0317	2.0356	2.0464	2.0551	2.0623	2.0679	2.0679	2.0643			
3000.0	2.0346	2.0374	2.0412	2.0522	2.0610	2.0683	2.0739	2.0739	2.0703			
3100.0	2.0402	2.0430	2.0469	2.0579	2.0668	2.0742	2.0800	2.0800	2.0764			
3200.0	2.0458	2.0486	2.0525	2.0636	2.0727	2.0801	2.0860	2.0860	2.0824			
3300.0	2.0511	2.0539	2.0579	2.0691	2.0782	2.0858	2.0917	2.0917	2.0881			
3400.0	2.0563	2.0592	2.0632	2.0745	2.0837	2.0914	2.0974	2.0974	2.0938			
3500.0	2.0615	2.0644	2.0684	2.0798	2.0892	2.0969	2.1031	2.1031	2.0995			
3600.0	2.0667	2.0696	2.0736	2.0851	2.0945	2.1024	2.1086	2.1086	2.1050			
3700.0	2.0717	2.0746	2.0787	2.0903	2.0998	2.1077	2.1141	2.1141	2.1105			
3800.0	2.0767	2.0797	2.0838	2.0955	2.1051	2.1131	2.1195	2.1195	2.1159			
3900.0	2.0817	2.0847	2.0888	2.1006	2.1103	2.1184	2.1249	2.1249	2.1213			
4000.0	2.0868	2.0897	2.0939	2.1058	2.1156	2.1237	2.1303	2.1303	2.1267			
4100.0	2.0917	2.0947	2.0989	2.1109	2.1208	2.1290	2.1357	2.1357	2.1321			
4200.0	2.0966	2.0997	2.1039	2.1159	2.1259	2.1342	2.1410	2.1410	2.1374			
4300.0	2.1015	2.1046	2.1088	2.1210	2.1310	2.1394	2.1462	2.1462	2.1426			
4400.0	2.1063	2.1094	2.1137	2.1259	2.1360	2.1445	2.1514	2.1514	2.1478			
4500.0	2.1111	2.1142	2.1185	2.1308	2.1410	2.1496	2.1565	2.1565	2.1529			
4600.0	2.1158	2.1189	2.1233	2.1357	2.1460	2.1546	2.1617	2.1617	2.1581			
4700.0	2.1205	2.1236	2.1280	2.1405	2.1509	2.1596	2.1667	2.1667	2.1631			
4800.0	2.1251	2.1283	2.1327	2.1453	2.1558	2.1646	2.1718	2.1718	2.1682			
4900.0	2.1297	2.1329	2.1373	2.1500	2.1606	2.1694	2.1768	2.1768	2.1732			
5000.0	2.1342	2.1374	2.1419	2.1547	2.1654	2.1744	2.1819	2.1819	2.1783			
5100.0	2.1387	2.1420	2.1465	2.1594	2.1702	2.1792	2.1867	2.1867	2.1831			
5200.0	2.1432	2.1464	2.1510	2.1640	2.1749	2.1841	2.1917	2.1917	2.1881			
5300.0	2.1476	2.1509	2.1555	2.1686	2.1796	2.1889	2.1966	2.1966	2.1930			
5400.0	2.1520	2.1553	2.1599	2.1732	2.1843	2.1937	2.2015	2.2015	2.1979			
5500.0	2.1563	2.1597	2.1643	2.1777	2.1890	2.1985	2.2063	2.2063	2.2027			
5600.0	2.1607	2.1640	2.1687	2.1823	2.1936	2.2033	2.2111	2.2111	2.2075			
5700.0	2.1649	2.1684	2.1731	2.1868	2.1983	2.2081	2.2159	2.2159	2.2123			
5800.0	2.1692	2.1727	2.1775	2.1913	2.2029	2.2129	2.2215	2.2215	2.2179			

ENTROPY

PRESSURE = 50.0000										
TEMPERATURE / FUEL/AIR RATIO										
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067	
600.0	1.5875	1.5892	1.5914	1.5960	1.6004	1.6024	1.6029	1.6010	1.6017	1.5991
700.0	1.6254	1.6274	1.6297	1.6355	1.6394	1.6418	1.6427	1.6419	1.6426	1.6404
800.0	1.6586	1.6604	1.6629	1.6691	1.6733	1.6760	1.6773	1.6768	1.6774	1.6746
900.0	1.6874	1.6893	1.6918	1.6983	1.7024	1.7050	1.7060	1.7054	1.7060	1.7034
1000.0	1.7134	1.7154	1.7180	1.7249	1.7296	1.7331	1.7350	1.7352	1.7358	1.7334
1100.0	1.7375	1.7395	1.7422	1.7494	1.7546	1.7583	1.7609	1.7609	1.7615	1.7594
1200.0	1.7598	1.7619	1.7647	1.7722	1.7777	1.7817	1.7842	1.7849	1.7855	1.7835
1300.0	1.7806	1.7827	1.7856	1.7934	1.7992	1.8036	1.8062	1.8072	1.8079	1.8059
1400.0	1.7999	1.8022	1.8051	1.8132	1.8193	1.8238	1.8268	1.8272	1.8279	1.8259
1500.0	1.8181	1.8204	1.8235	1.8318	1.8382	1.8429	1.8462	1.8477	1.8484	1.8464
1600.0	1.8353	1.8377	1.8408	1.8494	1.8560	1.8610	1.8645	1.8663	1.8673	1.8653
1700.0	1.8517	1.8541	1.8573	1.8662	1.8730	1.8788	1.8821	1.8835	1.8842	1.8822
1800.0	1.8675	1.8699	1.8732	1.8823	1.8894	1.8949	1.8989	1.9011	1.9025	1.9005
1900.0	1.8823	1.8848	1.8881	1.8975	1.9048	1.9105	1.9148	1.9172	1.9186	1.9166
2000.0	1.8968	1.8993	1.9028	1.9124	1.9199	1.9259	1.9303	1.9330	1.9344	1.9324
2100.0	1.9175	1.9201	1.9236	1.9336	1.9415	1.9477	1.9525	1.9555	1.9569	1.9549
2200.0	1.9241	1.9267	1.9302	1.9403	1.9483	1.9547	1.9596	1.9627	1.9641	1.9621
2300.0	1.9305	1.9331	1.9367	1.9469	1.9550	1.9615	1.9665	1.9697	1.9711	1.9691
2400.0	1.9367	1.9394	1.9430	1.9533	1.9615	1.9681	1.9732	1.9765	1.9779	1.9759
2500.0	1.9428	1.9455	1.9492	1.9596	1.9679	1.9746	1.9798	1.9832	1.9846	1.9826
2600.0	1.9488	1.9515	1.9552	1.9657	1.9742	1.9810	1.9863	1.9898	1.9912	1.9892
2700.0	1.9547	1.9574	1.9612	1.9717	1.9803	1.9872	1.9926	1.9962	1.9976	1.9956
2800.0	1.9604	1.9632	1.9670	1.9777	1.9863	1.9934	1.9989	2.0025	2.0039	2.0019
2900.0	1.9661	1.9689	1.9727	1.9835	1.9923	1.9994	2.0050	2.0088	2.0102	2.0082
3000.0	1.9717	1.9745	1.9784	1.9893	1.9981	2.0054	2.0111	2.0149	2.0163	2.0143
3100.0	1.9773	1.9801	1.9840	1.9950	2.0040	2.0113	2.0171	2.0218	2.0232	2.0212
3200.0	1.9828	1.9857	1.9896	2.0007	2.0098	2.0172	2.0231	2.0278	2.0292	2.0272
3300.0	1.9882	1.9911	1.9950	2.0062	2.0153	2.0228	2.0288	2.0335	2.0349	2.0329
3400.0	1.9935	1.9963	2.0003	2.0116	2.0209	2.0285	2.0345	2.0392	2.0406	2.0386
3500.0	1.9987	2.0015	2.0055	2.0170	2.0263	2.0340	2.0402	2.0449	2.0463	2.0443
3600.0	2.0038	2.0067	2.0107	2.0222	2.0317	2.0395	2.0457	2.0504	2.0518	2.0498
3700.0	2.0089	2.0118	2.0158	2.0274	2.0370	2.0449	2.0512	2.0559	2.0573	2.0553
3800.0	2.0138	2.0168	2.0209	2.0326	2.0422	2.0502	2.0566	2.0612	2.0626	2.0606
3900.0	2.0188	2.0218	2.0259	2.0377	2.0474	2.0554	2.0620	2.0667	2.0681	2.0661
4000.0	2.0237	2.0266	2.0308	2.0427	2.0525	2.0606	2.0673	2.0720	2.0734	2.0714
4100.0	2.0286	2.0316	2.0358	2.0478	2.0577	2.0659	2.0726	2.0774	2.0788	2.0768
4200.0	2.0335	2.0366	2.0408	2.0528	2.0628	2.0711	2.0779	2.0826	2.0840	2.0820
4300.0	2.0384	2.0414	2.0457	2.0578	2.0678	2.0763	2.0831	2.0878	2.0892	2.0872
4400.0	2.0432	2.0463	2.0505	2.0628	2.0729	2.0814	2.0883	2.0930	2.0944	2.0924
4500.0	2.0480	2.0510	2.0553	2.0676	2.0779	2.0864	2.0934	2.0981	2.0995	2.0975
4600.0	2.0527	2.0558	2.0601	2.0725	2.0828	2.0914	2.0984	2.1031	2.1045	2.1025
4700.0	2.0573	2.0604	2.0648	2.0773	2.0878	2.0963	2.1035	2.1082	2.1096	2.1076
4800.0	2.0619	2.0651	2.0694	2.0820	2.0925	2.1012	2.1084	2.1131	2.1145	2.1125
4900.0	2.0665	2.0697	2.0740	2.0867	2.0972	2.1061	2.1134	2.1181	2.1195	2.1175
5000.0	2.0710	2.0742	2.0786	2.0914	2.1020	2.1109	2.1183	2.1230	2.1244	2.1224
5100.0	2.0754	2.0786	2.0831	2.0960	2.1067	2.1157	2.1231	2.1278	2.1292	2.1272
5200.0	2.0798	2.0831	2.0876	2.1005	2.1113	2.1204	2.1279	2.1326	2.1340	2.1320
5300.0	2.0842	2.0875	2.0920	2.1050	2.1159	2.1250	2.1325	2.1372	2.1386	2.1366
5400.0	2.0885	2.0918	2.0964	2.1096	2.1205	2.1296	2.1371	2.1418	2.1432	2.1412
5500.0	2.0928	2.0961	2.1007	2.1140	2.1250	2.1341	2.1416	2.1463	2.1477	2.1457
5600.0	2.0971	2.1004	2.1050	2.1184	2.1294	2.1385	2.1460	2.1507	2.1521	2.1501
5700.0	2.1013	2.1046	2.1093	2.1228	2.1338	2.1429	2.1504	2.1551	2.1565	2.1545
5800.0	2.1054	2.1088	2.1136	2.1272	2.1382	2.1473	2.1548	2.1595	2.1609	2.1589

ENTROPY

PRESSURE = TEMPERATURE / DEGREES R	100.0000 FUEL/AIR RATIO	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.5399	1.5416	1.5438	1.5483	1.5519	1.5548	1.5554	1.5542	1.5515
700.0	1.5781	1.5798	1.5821	1.5880	1.5919	1.5947	1.5951	1.5933	1.5919
800.0	1.6110	1.6129	1.6153	1.6215	1.6254	1.6284	1.6297	1.6292	1.6270
900.0	1.6398	1.6417	1.6442	1.6508	1.6554	1.6584	1.6600	1.6598	1.6578
1000.0	1.6659	1.6678	1.6704	1.6773	1.6822	1.6856	1.6875	1.6876	1.6858
1100.0	1.6899	1.6920	1.6947	1.7019	1.7071	1.7107	1.7129	1.7134	1.7118
1200.0	1.7123	1.7143	1.7172	1.7247	1.7302	1.7341	1.7366	1.7373	1.7359
1300.0	1.7330	1.7352	1.7381	1.7458	1.7516	1.7559	1.7586	1.7595	1.7586
1400.0	1.7524	1.7546	1.7576	1.7657	1.7717	1.7762	1.7792	1.7805	1.7794
1500.0	1.7706	1.7728	1.7759	1.7843	1.7906	1.7953	1.7986	1.8001	1.7993
1600.0	1.7878	1.7901	1.7932	1.8018	1.8084	1.8134	1.8170	1.8187	1.8180
1700.0	1.8042	1.8065	1.8098	1.8186	1.8255	1.8307	1.8345	1.8365	1.8359
1800.0	1.8200	1.8224	1.8257	1.8348	1.8419	1.8474	1.8514	1.8536	1.8532
1900.0	1.8347	1.8372	1.8406	1.8499	1.8572	1.8630	1.8672	1.8694	1.8694
2000.0	1.8493	1.8518	1.8552	1.8648	1.8724	1.8783	1.8828	1.8854	1.8853
2100.0	1.8699	1.8725	1.8761	1.8860	1.8939	1.9002	1.9049	1.9079	1.9081
2200.0	1.8765	1.8791	1.8827	1.8927	1.9007	1.9071	1.9120	1.9151	1.9153
2300.0	1.8829	1.8855	1.8892	1.8993	1.9074	1.9139	1.9189	1.9221	1.9224
2400.0	1.8892	1.8918	1.8955	1.9057	1.9140	1.9206	1.9257	1.9289	1.9293
2500.0	1.8953	1.8980	1.9016	1.9120	1.9203	1.9271	1.9323	1.9356	1.9361
2600.0	1.9013	1.9040	1.9077	1.9182	1.9266	1.9334	1.9387	1.9422	1.9427
2700.0	1.9071	1.9098	1.9136	1.9242	1.9327	1.9397	1.9450	1.9486	1.9492
2800.0	1.9129	1.9156	1.9194	1.9301	1.9386	1.9458	1.9513	1.9550	1.9556
2900.0	1.9186	1.9213	1.9251	1.9359	1.9447	1.9519	1.9574	1.9612	1.9619
3000.0	1.9242	1.9270	1.9308	1.9417	1.9506	1.9578	1.9635	1.9674	1.9681
3100.0	1.9298	1.9326	1.9364	1.9474	1.9564	1.9637	1.9695	1.9735	1.9743
3200.0	1.9353	1.9382	1.9421	1.9532	1.9622	1.9696	1.9755	1.9796	1.9805
3300.0	1.9407	1.9435	1.9474	1.9586	1.9678	1.9753	1.9813	1.9854	1.9864
3400.0	1.9459	1.9488	1.9527	1.9640	1.9733	1.9809	1.9870	1.9912	1.9922
3500.0	1.9511	1.9540	1.9580	1.9694	1.9787	1.9864	1.9926	1.9969	1.9980
3600.0	1.9562	1.9591	1.9632	1.9747	1.9841	1.9919	1.9981	2.0026	2.0037
3700.0	1.9613	1.9642	1.9683	1.9799	1.9894	1.9973	2.0036	2.0081	2.0094
3800.0	1.9663	1.9692	1.9733	1.9850	1.9946	2.0026	2.0090	2.0136	2.0149
3900.0	1.9712	1.9742	1.9783	1.9901	1.9998	2.0079	2.0144	2.0191	2.0204
4000.0	1.9761	1.9791	1.9832	1.9951	2.0049	2.0131	2.0197	2.0245	2.0259
4100.0	1.9809	1.9839	1.9881	2.0000	2.0099	2.0182	2.0249	2.0298	2.0312
4200.0	1.9858	1.9888	1.9930	2.0051	2.0151	2.0234	2.0301	2.0351	2.0366
4300.0	1.9907	1.9937	1.9979	2.0101	2.0201	2.0285	2.0354	2.0403	2.0419
4400.0	1.9955	1.9985	2.0028	2.0150	2.0251	2.0336	2.0405	2.0454	2.0472
4500.0	2.0002	2.0033	2.0076	2.0199	2.0301	2.0386	2.0456	2.0507	2.0525
4600.0	2.0049	2.0080	2.0123	2.0247	2.0350	2.0436	2.0506	2.0558	2.0577
4700.0	2.0095	2.0127	2.0170	2.0295	2.0398	2.0485	2.0556	2.0609	2.0629
4800.0	2.0141	2.0173	2.0216	2.0342	2.0446	2.0534	2.0606	2.0659	2.0680
4900.0	2.0187	2.0218	2.0262	2.0389	2.0494	2.0582	2.0655	2.0709	2.0732
5000.0	2.0232	2.0263	2.0307	2.0435	2.0541	2.0630	2.0703	2.0758	2.0783
5100.0	2.0276	2.0308	2.0352	2.0481	2.0587	2.0677	2.0751	2.0807	2.0834
5200.0	2.0320	2.0352	2.0397	2.0526	2.0634	2.0724	2.0799	2.0855	2.0885
5300.0	2.0363	2.0396	2.0441	2.0571	2.0679	2.0771	2.0846	2.0904	2.0937
5400.0	2.0406	2.0439	2.0484	2.0615	2.0725	2.0817	2.0893	2.0952	2.0988
5500.0	2.0449	2.0482	2.0527	2.0659	2.0769	2.0861	2.0938	2.1000	2.1039
5600.0	2.0491	2.0524	2.0569	2.0703	2.0814	2.0898	2.0966	2.1048	2.1091
5700.0	2.0532	2.0566	2.0612	2.0746	2.0858	2.0953	2.1032	2.1096	2.1143
5800.0	2.0574	2.0607	2.0654	2.0789	2.0902	2.0998	2.1078	2.1144	2.1195

ENTROPY

PRESSURE = TEMPERATURE DEGREES R	600.0000 / FUEL/AIR RATIO		ENTROPY									
	0.005	0.007	0.010	0.020	0.030	0.050	0.060	0.067				
600.0	1.4170	1.4187	1.4209	1.4263	1.4298	1.4318	1.4312	1.4385				
700.0	1.4551	1.4569	1.4592	1.4650	1.4689	1.4712	1.4713	1.4819				
800.0	1.4881	1.4899	1.4924	1.4990	1.5028	1.5055	1.5062	1.5060				
900.0	1.5169	1.5188	1.5213	1.5278	1.5324	1.5354	1.5370	1.5348				
1000.0	1.5429	1.5449	1.5475	1.5544	1.5592	1.5626	1.5646	1.5628				
1100.0	1.5670	1.5690	1.5717	1.5789	1.5841	1.5878	1.5904	1.5889				
1200.0	1.5893	1.5914	1.5942	1.5979	1.6042	1.6111	1.6130	1.6129				
1300.0	1.6101	1.6122	1.6151	1.6229	1.6287	1.6329	1.6366	1.6354				
1400.0	1.6295	1.6317	1.6346	1.6427	1.6488	1.6532	1.6575	1.6564				
1500.0	1.6477	1.6499	1.6530	1.6613	1.6676	1.6724	1.6771	1.6762				
1600.0	1.6648	1.6672	1.6703	1.6789	1.6855	1.6905	1.6957	1.6950				
1700.0	1.6812	1.6836	1.6868	1.6957	1.7025	1.7077	1.7125	1.7129				
1800.0	1.6970	1.6994	1.7027	1.7118	1.7189	1.7244	1.7306	1.7302				
1900.0	1.7118	1.7143	1.7176	1.7270	1.7343	1.7400	1.7464	1.7464				
2000.0	1.7263	1.7288	1.7323	1.7419	1.7494	1.7553	1.7624	1.7623				
2100.0	1.7470	1.7496	1.7531	1.7630	1.7709	1.7772	1.7849	1.7851				
2200.0	1.7536	1.7562	1.7598	1.7698	1.7778	1.7842	1.7921	1.7923				
2300.0	1.7600	1.7626	1.7662	1.7764	1.7845	1.7910	1.7991	1.7994				
2400.0	1.7662	1.7689	1.7725	1.7828	1.7910	1.7976	1.8059	1.8063				
2500.0	1.7723	1.7750	1.7787	1.7891	1.7974	1.8051	1.8126	1.8131				
2600.0	1.7783	1.7810	1.7847	1.7952	1.8034	1.8104	1.8179	1.8184				
2700.0	1.7842	1.7869	1.7907	1.8012	1.8098	1.8167	1.8256	1.8262				
2800.0	1.7899	1.7927	1.7965	1.8072	1.8158	1.8228	1.8320	1.8326				
2900.0	1.7956	1.7984	1.8022	1.8130	1.8217	1.8288	1.8382	1.8389				
3000.0	1.8012	1.8040	1.8079	1.8188	1.8276	1.8348	1.8444	1.8451				
3100.0	1.8068	1.8096	1.8135	1.8245	1.8334	1.8407	1.8505	1.8513				
3200.0	1.8124	1.8152	1.8191	1.8302	1.8392	1.8467	1.8566	1.8574				
3300.0	1.8177	1.8206	1.8245	1.8357	1.8448	1.8523	1.8624	1.8632				
3400.0	1.8230	1.8258	1.8298	1.8411	1.8503	1.8579	1.8682	1.8692				
3500.0	1.8282	1.8311	1.8350	1.8464	1.8558	1.8635	1.8739	1.8750				
3600.0	1.8333	1.8362	1.8402	1.8517	1.8611	1.8689	1.8794	1.8804				
3700.0	1.8384	1.8413	1.8453	1.8569	1.8664	1.8743	1.8851	1.8864				
3800.0	1.8434	1.8463	1.8504	1.8621	1.8717	1.8796	1.8907	1.8919				
3900.0	1.8483	1.8513	1.8554	1.8671	1.8768	1.8849	1.8961	1.8974				
4000.0	1.8532	1.8561	1.8603	1.8721	1.8819	1.8901	1.9015	1.9028				
4100.0	1.8580	1.8610	1.8651	1.8771	1.8870	1.8952	1.9068	1.9082				
4200.0	1.8627	1.8657	1.8699	1.8820	1.8919	1.9003	1.9120	1.9135				
4300.0	1.8674	1.8704	1.8746	1.8868	1.8968	1.9053	1.9171	1.9187				
4400.0	1.8720	1.8751	1.8793	1.8916	1.9017	1.9102	1.9222	1.9239				
4500.0	1.8767	1.8798	1.8841	1.8964	1.9066	1.9152	1.9274	1.9290				
4600.0	1.8814	1.8845	1.8888	1.9012	1.9115	1.9201	1.9324	1.9341				
4700.0	1.8861	1.8892	1.8935	1.9060	1.9163	1.9250	1.9374	1.9392				
4800.0	1.8906	1.8937	1.8981	1.9106	1.9211	1.9298	1.9424	1.9442				
4900.0	1.8951	1.8983	1.9027	1.9153	1.9258	1.9346	1.9473	1.9492				
5000.0	1.8996	1.9028	1.9072	1.9200	1.9304	1.9393	1.9521	1.9541				
5100.0	1.9040	1.9072	1.9116	1.9244	1.9350	1.9440	1.9569	1.9590				
5200.0	1.9084	1.9116	1.9160	1.9289	1.9396	1.9486	1.9616	1.9639				
5300.0	1.9127	1.9159	1.9204	1.9333	1.9441	1.9532	1.9663	1.9687				
5400.0	1.9169	1.9201	1.9246	1.9376	1.9485	1.9577	1.9709	1.9735				
5500.0	1.9211	1.9244	1.9289	1.9420	1.9529	1.9621	1.9755	1.9783				
5600.0	1.9252	1.9285	1.9331	1.9462	1.9572	1.9664	1.9799	1.9830				
5700.0	1.9293	1.9326	1.9372	1.9505	1.9615	1.9709	1.9845	1.9877				
5800.0	1.9334	1.9367	1.9413	1.9546	1.9656	1.9752	1.9890	1.9925				

**Table 6. Specific Heat at Constant Pressure of $C_n H_{1.95n}$ /Air Exhaust
Gases for Various Temperatures and Pressures**

Temperature Range: 600 to 4,000°R

0.1 to 600.0 psia 

SPECIFIC HEAT

PRESSURE = 0.1000		TEMPERATURE / FUEL/AIR RATIO																	
DEGREES R	R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067									
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2558	0.2582									
700.0	0.2432	0.2438	0.2445	0.2467	0.2489	0.2511	0.2532	0.2553	0.2574	0.2598									
800.0	0.2452	0.2457	0.2466	0.2489	0.2511	0.2532	0.2553	0.2574	0.2595	0.2620									
900.0	0.2474	0.2482	0.2491	0.2514	0.2536	0.2557	0.2578	0.2599	0.2620	0.2647									
1000.0	0.2505	0.2512	0.2521	0.2544	0.2566	0.2587	0.2608	0.2629	0.2650	0.2677									
1100.0	0.2536	0.2543	0.2553	0.2576	0.2598	0.2619	0.2640	0.2661	0.2682	0.2710									
1200.0	0.2568	0.2575	0.2586	0.2609	0.2631	0.2652	0.2673	0.2694	0.2715	0.2743									
1300.0	0.2600	0.2608	0.2619	0.2642	0.2664	0.2685	0.2706	0.2727	0.2748	0.2776									
1400.0	0.2633	0.2641	0.2652	0.2675	0.2697	0.2718	0.2739	0.2760	0.2781	0.2809									
1500.0	0.2665	0.2673	0.2685	0.2708	0.2730	0.2751	0.2772	0.2793	0.2814	0.2842									
1600.0	0.2695	0.2703	0.2716	0.2739	0.2761	0.2782	0.2803	0.2824	0.2845	0.2873									
1700.0	0.2724	0.2732	0.2745	0.2768	0.2790	0.2811	0.2832	0.2853	0.2874	0.2902									
1800.0	0.2750	0.2759	0.2772	0.2795	0.2817	0.2838	0.2859	0.2880	0.2901	0.2929									
1900.0	0.2775	0.2784	0.2798	0.2821	0.2843	0.2864	0.2885	0.2906	0.2927	0.2955									
2000.0	0.2798	0.2808	0.2822	0.2845	0.2867	0.2888	0.2909	0.2930	0.2951	0.2979									
2100.0	0.2831	0.2841	0.2855	0.2878	0.2900	0.2921	0.2942	0.2963	0.2984	0.3012									
2200.0	0.2861	0.2871	0.2885	0.2908	0.2929	0.2950	0.2971	0.2992	0.3013	0.3041									
2300.0	0.2890	0.2900	0.2914	0.2937	0.2958	0.2979	0.3000	0.3021	0.3042	0.3070									
2400.0	0.2918	0.2928	0.2942	0.2965	0.2986	0.3007	0.3028	0.3049	0.3070	0.3098									
2500.0	0.2944	0.2954	0.2968	0.2991	0.3012	0.3033	0.3054	0.3075	0.3096	0.3124									
2600.0	0.2969	0.2979	0.2993	0.3016	0.3037	0.3058	0.3079	0.3100	0.3121	0.3149									
2700.0	0.2993	0.2994	0.2994	0.3006	0.3027	0.3048	0.3069	0.3090	0.3111	0.3133									
2800.0	0.3016	0.3017	0.3017	0.3029	0.3050	0.3071	0.3092	0.3113	0.3134	0.3156									
2900.0	0.3039	0.3040	0.3040	0.3052	0.3073	0.3094	0.3115	0.3136	0.3157	0.3179									
3000.0	0.3061	0.3062	0.3062	0.3074	0.3095	0.3116	0.3137	0.3158	0.3179	0.3201									
3100.0	0.3084	0.3085	0.3085	0.3097	0.3118	0.3139	0.3160	0.3181	0.3202	0.3224									
3200.0	0.3106	0.3107	0.3107	0.3119	0.3140	0.3161	0.3182	0.3203	0.3224	0.3246									
3300.0	0.3128	0.3129	0.3129	0.3141	0.3162	0.3183	0.3204	0.3225	0.3246	0.3268									
3400.0	0.3149	0.3150	0.3150	0.3162	0.3183	0.3204	0.3225	0.3246	0.3268	0.3289									
3500.0	0.3170	0.3171	0.3171	0.3183	0.3204	0.3225	0.3246	0.3268	0.3289	0.3311									
3600.0	0.3191	0.3192	0.3192	0.3204	0.3225	0.3246	0.3268	0.3289	0.3311	0.3333									
3700.0	0.3212	0.3213	0.3213	0.3225	0.3246	0.3268	0.3289	0.3311	0.3333	0.3355									
3800.0	0.3233	0.3234	0.3234	0.3246	0.3268	0.3289	0.3311	0.3333	0.3355	0.3377									
3900.0	0.3254	0.3255	0.3255	0.3268	0.3289	0.3311	0.3333	0.3355	0.3377	0.3399									
4000.0	0.3275	0.3276	0.3276	0.3289	0.3311	0.3333	0.3355	0.3377	0.3399	0.3421									

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SPECIFIC HEAT

PRESSURE \times TEMPERATURE / FUEL/AIR RATIO		0.5000									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067		
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552	0.2567	
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2568	0.2585	0.2600	
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620	0.2637	
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657	0.2677	
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697	0.2718	
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2744	0.2770	
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780	0.2800	
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822	0.2842	
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2803	0.2838	0.2863	0.2888	
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903	0.2928	
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942	0.2969	
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979	0.3006	
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013	0.3040	
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046	0.3077	
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077	0.3109	
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121	0.3152	
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135	0.3166	
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148	0.3179	
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161	0.3192	
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173	0.3204	
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185	0.3216	
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196	0.3227	
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208	0.3239	
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218	0.3249	
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229	0.3260	
2650.0	0.2916	0.2927	0.2943	0.2998	0.3051	0.3103	0.3154	0.3204	0.3238	0.3269	
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3247	0.3278	
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257	0.3287	
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3266	0.3296	
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275	0.3305	
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284	0.3314	
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3150	0.3204	0.3256	0.3292	0.3322	
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3300	0.3330	
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3308	0.3338	
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3279	0.3316	0.3346	
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3323	0.3353	
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331	0.3361	
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338	0.3368	
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3307	0.3344	0.3374	
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3351	0.3381	
3400.0	0.3004	0.3016	0.3034	0.3093	0.3152	0.3209	0.3265	0.3320	0.3357	0.3387	
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3326	0.3363	0.3393	
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3276	0.3331	0.3368	0.3398	
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3337	0.3374	0.3404	
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3230	0.3287	0.3342	0.3379	0.3409	
3650.0	0.3026	0.3038	0.3057	0.3117	0.3177	0.3235	0.3292	0.3347	0.3384	0.3414	
3700.0	0.3030	0.3042	0.3061	0.3121	0.3181	0.3239	0.3296	0.3351	0.3388	0.3418	
3750.0	0.3034	0.3046	0.3065	0.3125	0.3185	0.3243	0.3300	0.3356	0.3392	0.3422	
3800.0	0.3037	0.3050	0.3068	0.3129	0.3189	0.3247	0.3304	0.3360	0.3396	0.3426	
3850.0	0.3041	0.3053	0.3072	0.3133	0.3193	0.3251	0.3308	0.3363	0.3400	0.3430	
3900.0	0.3044	0.3057	0.3075	0.3137	0.3196	0.3255	0.3312	0.3367	0.3403	0.3433	
3950.0	0.3048	0.3060	0.3079	0.3140	0.3200	0.3258	0.3315	0.3370	0.3406	0.3436	
4000.0	0.3051	0.3063	0.3082	0.3143	0.3203	0.3261	0.3318	0.3373	0.3409	0.3439	

SPECIFIC HEAT

TEMPERATURE DEGREES R	1.0000 FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.080	0.100
600.0	0.2418	0.2423	0.2430	0.2432	0.2438	0.2445	0.2451	0.2457	0.2466	0.2471	0.2477
700.0	0.2432	0.2437	0.2445	0.2452	0.2457	0.2466	0.2471	0.2477	0.2482	0.2488	0.2493
800.0	0.2452	0.2457	0.2466	0.2471	0.2477	0.2482	0.2488	0.2493	0.2499	0.2504	0.2509
900.0	0.2476	0.2482	0.2491	0.2497	0.2504	0.2512	0.2517	0.2522	0.2528	0.2533	0.2538
1000.0	0.2505	0.2512	0.2521	0.2527	0.2534	0.2541	0.2547	0.2554	0.2560	0.2566	0.2572
1100.0	0.2536	0.2543	0.2553	0.2559	0.2566	0.2572	0.2578	0.2584	0.2590	0.2596	0.2602
1200.0	0.2568	0.2575	0.2585	0.2591	0.2598	0.2604	0.2610	0.2616	0.2622	0.2628	0.2634
1300.0	0.2600	0.2608	0.2619	0.2625	0.2631	0.2637	0.2643	0.2649	0.2655	0.2661	0.2667
1400.0	0.2633	0.2641	0.2652	0.2658	0.2664	0.2670	0.2676	0.2682	0.2688	0.2694	0.2700
1500.0	0.2665	0.2673	0.2685	0.2691	0.2697	0.2703	0.2709	0.2715	0.2721	0.2727	0.2733
1600.0	0.2695	0.2703	0.2716	0.2722	0.2728	0.2734	0.2740	0.2746	0.2752	0.2758	0.2764
1700.0	0.2724	0.2732	0.2745	0.2751	0.2757	0.2763	0.2769	0.2775	0.2781	0.2787	0.2793
1800.0	0.2750	0.2759	0.2772	0.2778	0.2784	0.2790	0.2796	0.2802	0.2808	0.2814	0.2820
1900.0	0.2775	0.2784	0.2798	0.2804	0.2810	0.2816	0.2822	0.2828	0.2834	0.2840	0.2846
2000.0	0.2798	0.2808	0.2822	0.2828	0.2834	0.2840	0.2846	0.2852	0.2858	0.2864	0.2870
2100.0	0.2831	0.2841	0.2855	0.2861	0.2867	0.2873	0.2879	0.2885	0.2891	0.2897	0.2903
2200.0	0.2841	0.2851	0.2866	0.2872	0.2878	0.2884	0.2890	0.2896	0.2902	0.2908	0.2914
2300.0	0.2850	0.2861	0.2876	0.2882	0.2888	0.2894	0.2900	0.2906	0.2912	0.2918	0.2924
2400.0	0.2860	0.2870	0.2885	0.2891	0.2897	0.2903	0.2909	0.2915	0.2921	0.2927	0.2933
2500.0	0.2869	0.2879	0.2895	0.2901	0.2907	0.2913	0.2919	0.2925	0.2931	0.2937	0.2943
2600.0	0.2878	0.2888	0.2904	0.2910	0.2916	0.2922	0.2928	0.2934	0.2940	0.2946	0.2952
2700.0	0.2886	0.2897	0.2912	0.2918	0.2924	0.2930	0.2936	0.2942	0.2948	0.2954	0.2960
2800.0	0.2894	0.2905	0.2921	0.2927	0.2933	0.2939	0.2945	0.2951	0.2957	0.2963	0.2969
2900.0	0.2902	0.2913	0.2929	0.2935	0.2941	0.2947	0.2953	0.2959	0.2965	0.2971	0.2977
3000.0	0.2909	0.2920	0.2936	0.2942	0.2948	0.2954	0.2960	0.2966	0.2972	0.2978	0.2984
3100.0	0.2916	0.2927	0.2944	0.2950	0.2956	0.2962	0.2968	0.2974	0.2980	0.2986	0.2992
3200.0	0.2923	0.2934	0.2951	0.2957	0.2963	0.2969	0.2975	0.2981	0.2987	0.2993	0.2999
3300.0	0.2930	0.2941	0.2958	0.2964	0.2970	0.2976	0.2982	0.2988	0.2994	0.3000	0.3006
3400.0	0.2936	0.2948	0.2965	0.2971	0.2977	0.2983	0.2989	0.2995	0.3001	0.3007	0.3013
3500.0	0.2943	0.2954	0.2971	0.2977	0.2983	0.2989	0.2995	0.3001	0.3007	0.3013	0.3019
3600.0	0.2949	0.2961	0.2978	0.2984	0.2990	0.2996	0.3002	0.3008	0.3014	0.3020	0.3026
3700.0	0.2955	0.2967	0.2984	0.2990	0.2996	0.3002	0.3008	0.3014	0.3020	0.3026	0.3032
3800.0	0.2961	0.2973	0.2990	0.2996	0.3002	0.3008	0.3014	0.3020	0.3026	0.3032	0.3038
3900.0	0.2967	0.2979	0.2996	0.3002	0.3008	0.3014	0.3020	0.3026	0.3032	0.3038	0.3044
4000.0	0.2973	0.2984	0.3002	0.3008	0.3014	0.3020	0.3026	0.3032	0.3038	0.3044	0.3050
4100.0	0.2978	0.2990	0.3008	0.3014	0.3020	0.3026	0.3032	0.3038	0.3044	0.3050	0.3056
4200.0	0.2984	0.2995	0.3013	0.3019	0.3025	0.3031	0.3037	0.3043	0.3049	0.3055	0.3061
4300.0	0.2989	0.3001	0.3019	0.3025	0.3031	0.3037	0.3043	0.3049	0.3055	0.3061	0.3067
4400.0	0.2994	0.3006	0.3024	0.3030	0.3036	0.3042	0.3048	0.3054	0.3060	0.3066	0.3072
4500.0	0.2999	0.3011	0.3029	0.3035	0.3041	0.3047	0.3053	0.3059	0.3065	0.3071	0.3077
4600.0	0.3004	0.3016	0.3034	0.3040	0.3046	0.3052	0.3058	0.3064	0.3070	0.3076	0.3082
4700.0	0.3008	0.3021	0.3039	0.3045	0.3051	0.3057	0.3063	0.3069	0.3075	0.3081	0.3087
4800.0	0.3013	0.3025	0.3043	0.3049	0.3055	0.3061	0.3067	0.3073	0.3079	0.3085	0.3091
4900.0	0.3017	0.3030	0.3048	0.3054	0.3060	0.3066	0.3072	0.3078	0.3084	0.3090	0.3096
5000.0	0.3022	0.3034	0.3052	0.3058	0.3064	0.3070	0.3076	0.3082	0.3088	0.3094	0.3100
5100.0	0.3026	0.3038	0.3056	0.3062	0.3068	0.3074	0.3080	0.3086	0.3092	0.3098	0.3104
5200.0	0.3030	0.3042	0.3061	0.3067	0.3073	0.3079	0.3085	0.3091	0.3097	0.3103	0.3109
5300.0	0.3034	0.3046	0.3064	0.3070	0.3076	0.3082	0.3088	0.3094	0.3100	0.3106	0.3112
5400.0	0.3037	0.3050	0.3068	0.3074	0.3080	0.3086	0.3092	0.3098	0.3104	0.3110	0.3116
5500.0	0.3041	0.3053	0.3072	0.3078	0.3084	0.3090	0.3096	0.3102	0.3108	0.3114	0.3120
5600.0	0.3044	0.3057	0.3075	0.3081	0.3087	0.3093	0.3099	0.3105	0.3111	0.3117	0.3123
5700.0	0.3047	0.3060	0.3079	0.3085	0.3091	0.3097	0.3103	0.3109	0.3115	0.3121	0.3127
5800.0	0.3051	0.3063	0.3082	0.3088	0.3094	0.3100	0.3106	0.3112	0.3118	0.3124	0.3130
5900.0											
6000.0											

SPECIFIC HEAT

TEMPERATURE / FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2422	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2973	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2100.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2861	0.2871	0.2886	0.2935	0.2983	0.3031	0.3077	0.3123	0.3155
2300.0	0.2890	0.2900	0.2916	0.2966	0.3015	0.3063	0.3109	0.3156	0.3198
2400.0	0.2916	0.2927	0.2944	0.2996	0.3045	0.3094	0.3141	0.3188	0.3229
2500.0	0.2943	0.2954	0.2971	0.3027	0.3076	0.3125	0.3172	0.3220	0.3267
2600.0	0.2969	0.2980	0.2998	0.3056	0.3106	0.3155	0.3204	0.3254	0.3301
2700.0	0.2993	0.2994	0.3012	0.3072	0.3123	0.3172	0.3222	0.3272	0.3319
2800.0	0.2996	0.2997	0.3014	0.3076	0.3127	0.3176	0.3226	0.3276	0.3324
2900.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3000.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3100.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3200.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3300.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3400.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3500.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3600.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3700.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3800.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
3900.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328
4000.0	0.2999	0.2999	0.3016	0.3079	0.3130	0.3179	0.3229	0.3279	0.3328

SPECIFIC HEAT

PRESSURE = TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
400.0	0.2416	0.2423	0.2430	0.2432	0.2474	0.2496	0.2517	0.2536	0.2552
450.0	0.2432	0.2440	0.2446	0.2447	0.2490	0.2512	0.2533	0.2552	0.2568
500.0	0.2452	0.2457	0.2466	0.2464	0.2507	0.2529	0.2550	0.2569	0.2585
550.0	0.2476	0.2482	0.2491	0.2489	0.2532	0.2554	0.2575	0.2594	0.2610
600.0	0.2505	0.2512	0.2521	0.2519	0.2562	0.2584	0.2605	0.2624	0.2640
650.0	0.2536	0.2543	0.2553	0.2551	0.2594	0.2616	0.2637	0.2656	0.2672
700.0	0.2568	0.2575	0.2586	0.2584	0.2627	0.2649	0.2670	0.2689	0.2705
750.0	0.2600	0.2608	0.2619	0.2617	0.2660	0.2682	0.2703	0.2722	0.2738
800.0	0.2633	0.2641	0.2652	0.2650	0.2693	0.2715	0.2736	0.2755	0.2771
850.0	0.2665	0.2673	0.2685	0.2683	0.2726	0.2748	0.2769	0.2788	0.2804
900.0	0.2695	0.2703	0.2716	0.2714	0.2757	0.2779	0.2800	0.2819	0.2835
950.0	0.2724	0.2732	0.2745	0.2743	0.2786	0.2808	0.2829	0.2848	0.2864
1000.0	0.2750	0.2759	0.2772	0.2770	0.2813	0.2835	0.2856	0.2875	0.2891
1050.0	0.2775	0.2784	0.2798	0.2796	0.2839	0.2861	0.2882	0.2901	0.2917
1100.0	0.2798	0.2808	0.2822	0.2820	0.2863	0.2885	0.2906	0.2925	0.2941
1150.0	0.2831	0.2841	0.2855	0.2853	0.2896	0.2918	0.2939	0.2958	0.2974
1200.0	0.2841	0.2851	0.2866	0.2864	0.2907	0.2929	0.2950	0.2969	0.2985
1250.0	0.2850	0.2861	0.2876	0.2874	0.2917	0.2939	0.2960	0.2979	0.2995
1300.0	0.2860	0.2870	0.2885	0.2883	0.2925	0.2947	0.2968	0.2987	0.3003
1350.0	0.2874	0.2884	0.2899	0.2897	0.2937	0.2959	0.2980	0.2999	0.3015
1400.0	0.2884	0.2894	0.2909	0.2907	0.2947	0.2969	0.2990	0.3009	0.3025
1450.0	0.2894	0.2904	0.2919	0.2917	0.2957	0.2979	0.3000	0.3019	0.3035
1500.0	0.2909	0.2920	0.2936	0.2934	0.2974	0.2996	0.3017	0.3036	0.3052
1550.0	0.2914	0.2927	0.2944	0.2942	0.2982	0.3004	0.3025	0.3044	0.3060
1600.0	0.2923	0.2934	0.2951	0.2949	0.2988	0.3010	0.3031	0.3050	0.3066
1650.0	0.2930	0.2941	0.2958	0.2956	0.2995	0.3017	0.3038	0.3057	0.3073
1700.0	0.2936	0.2948	0.2965	0.2963	0.3002	0.3024	0.3045	0.3064	0.3080
1750.0	0.2943	0.2954	0.2971	0.2969	0.3008	0.3030	0.3051	0.3070	0.3086
1800.0	0.2949	0.2961	0.2978	0.2976	0.3015	0.3037	0.3058	0.3077	0.3093
1850.0	0.2955	0.2967	0.2984	0.2982	0.3021	0.3043	0.3064	0.3083	0.3100
1900.0	0.2961	0.2973	0.2990	0.2988	0.3027	0.3049	0.3070	0.3089	0.3106
1950.0	0.2967	0.2979	0.2996	0.2994	0.3033	0.3055	0.3076	0.3095	0.3112
2000.0	0.2973	0.2984	0.3002	0.3000	0.3039	0.3061	0.3082	0.3101	0.3118
2050.0	0.2978	0.2990	0.3008	0.3006	0.3045	0.3067	0.3088	0.3107	0.3124
2100.0	0.2984	0.2995	0.3013	0.3011	0.3050	0.3072	0.3093	0.3112	0.3129
2150.0	0.2989	0.3001	0.3019	0.3017	0.3056	0.3078	0.3099	0.3118	0.3135
2200.0	0.2994	0.3006	0.3024	0.3022	0.3063	0.3085	0.3106	0.3125	0.3142
2250.0	0.2999	0.3011	0.3029	0.3027	0.3068	0.3090	0.3111	0.3130	0.3147
2300.0	0.3004	0.3016	0.3034	0.3032	0.3073	0.3095	0.3116	0.3135	0.3152
2350.0	0.3008	0.3021	0.3039	0.3037	0.3078	0.3100	0.3121	0.3140	0.3157
2400.0	0.3013	0.3025	0.3043	0.3041	0.3082	0.3104	0.3125	0.3144	0.3161
2450.0	0.3017	0.3030	0.3048	0.3046	0.3087	0.3109	0.3130	0.3149	0.3166
2500.0	0.3022	0.3034	0.3052	0.3050	0.3091	0.3113	0.3134	0.3153	0.3170
2550.0	0.3026	0.3038	0.3056	0.3054	0.3095	0.3117	0.3138	0.3157	0.3174
2600.0	0.3030	0.3042	0.3061	0.3059	0.3100	0.3122	0.3143	0.3162	0.3179
2650.0	0.3033	0.3046	0.3064	0.3062	0.3103	0.3125	0.3146	0.3165	0.3182
2700.0	0.3037	0.3050	0.3068	0.3066	0.3107	0.3129	0.3150	0.3169	0.3186
2750.0	0.3041	0.3054	0.3072	0.3070	0.3111	0.3133	0.3154	0.3173	0.3190
2800.0	0.3044	0.3056	0.3075	0.3073	0.3114	0.3136	0.3157	0.3176	0.3193
2850.0	0.3047	0.3060	0.3079	0.3077	0.3118	0.3140	0.3161	0.3180	0.3197
2900.0	0.3050	0.3063	0.3082	0.3080	0.3121	0.3143	0.3164	0.3183	0.3200
2950.0									
3000.0									

SPECIFIC HEAT

 PRESSURE
 TEMPERATURE / FUEL/AIR RATIO
 DEGREE F

14.73460

TEMPERATURE / FUEL/AIR RATIO	0.007	0.010	0.015	0.020	0.030	0.050	0.060	0.067
600.0	0.2416	0.2423	0.2430	0.2438	0.2446	0.2457	0.2466	0.2474
700.0	0.2434	0.2441	0.2448	0.2455	0.2462	0.2473	0.2482	0.2490
800.0	0.2452	0.2457	0.2466	0.2474	0.2482	0.2494	0.2502	0.2510
900.0	0.2476	0.2482	0.2491	0.2499	0.2507	0.2516	0.2524	0.2532
1000.0	0.2505	0.2512	0.2521	0.2529	0.2537	0.2546	0.2554	0.2562
1100.0	0.2534	0.2543	0.2553	0.2562	0.2571	0.2580	0.2589	0.2598
1200.0	0.2568	0.2575	0.2586	0.2594	0.2602	0.2611	0.2620	0.2628
1300.0	0.2600	0.2608	0.2619	0.2627	0.2635	0.2644	0.2652	0.2660
1400.0	0.2633	0.2641	0.2652	0.2661	0.2670	0.2679	0.2688	0.2696
1500.0	0.2665	0.2673	0.2685	0.2693	0.2704	0.2713	0.2722	0.2730
1600.0	0.2695	0.2703	0.2716	0.2725	0.2737	0.2746	0.2755	0.2763
1700.0	0.2724	0.2732	0.2745	0.2753	0.2768	0.2776	0.2784	0.2792
1800.0	0.2750	0.2759	0.2772	0.2780	0.2798	0.2806	0.2814	0.2822
1900.0	0.2777	0.2784	0.2798	0.2806	0.2822	0.2830	0.2838	0.2846
2000.0	0.2798	0.2808	0.2822	0.2830	0.2845	0.2853	0.2861	0.2869
2100.0	0.2831	0.2841	0.2855	0.2863	0.2879	0.2887	0.2895	0.2903
2200.0	0.2861	0.2871	0.2886	0.2894	0.2910	0.2918	0.2926	0.2934
2300.0	0.2890	0.2900	0.2913	0.2926	0.2942	0.2950	0.2958	0.2966
2400.0	0.2916	0.2927	0.2941	0.2953	0.2969	0.2977	0.2985	0.2993
2500.0	0.2943	0.2954	0.2968	0.2978	0.2994	0.3002	0.3010	0.3018
2600.0	0.2969	0.2981	0.2996	0.3006	0.3022	0.3030	0.3038	0.3046
2700.0	0.2993	0.2994	0.3006	0.3016	0.3032	0.3040	0.3048	0.3056
2800.0	0.3016	0.3017	0.3029	0.3039	0.3055	0.3063	0.3071	0.3079
2900.0	0.3039	0.3040	0.3052	0.3062	0.3078	0.3086	0.3094	0.3102
3000.0	0.3062	0.3063	0.3075	0.3085	0.3101	0.3109	0.3117	0.3125
3100.0	0.3085	0.3086	0.3098	0.3108	0.3124	0.3132	0.3140	0.3148
3200.0	0.3108	0.3109	0.3121	0.3131	0.3147	0.3155	0.3163	0.3171
3300.0	0.3131	0.3132	0.3144	0.3154	0.3170	0.3178	0.3186	0.3194
3400.0	0.3154	0.3155	0.3167	0.3177	0.3193	0.3201	0.3209	0.3217
3500.0	0.3177	0.3178	0.3190	0.3200	0.3216	0.3224	0.3232	0.3240
3600.0	0.3200	0.3201	0.3213	0.3223	0.3239	0.3247	0.3255	0.3263
3700.0	0.3223	0.3224	0.3236	0.3246	0.3262	0.3270	0.3278	0.3286
3800.0	0.3246	0.3247	0.3259	0.3269	0.3285	0.3293	0.3301	0.3309
3900.0	0.3269	0.3270	0.3282	0.3292	0.3308	0.3316	0.3324	0.3332
4000.0	0.3292	0.3293	0.3305	0.3315	0.3331	0.3339	0.3347	0.3355

SPECIFIC HEAT

PRESSURE = TEMPERATURE / DEGREES FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2536	0.2558
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2524	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2902
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2804	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2100.0	0.2821	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2915	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2956	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3151	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3301
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3309
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3308	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3352
3400.0	0.3004	0.3016	0.3034	0.3094	0.3152	0.3209	0.3265	0.3321	0.3358
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3327	0.3364
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3277	0.3332	0.3370
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3338	0.3376
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3230	0.3288	0.3344	0.3382
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3293	0.3349	0.3387
3700.0	0.3030	0.3042	0.3061	0.3121	0.3181	0.3240	0.3297	0.3354	0.3392
3750.0	0.3033	0.3046	0.3064	0.3126	0.3186	0.3244	0.3302	0.3358	0.3397
3800.0	0.3037	0.3049	0.3068	0.3130	0.3190	0.3249	0.3306	0.3363	0.3401
3850.0	0.3041	0.3053	0.3072	0.3133	0.3194	0.3253	0.3311	0.3367	0.3405
3900.0	0.3044	0.3056	0.3075	0.3137	0.3197	0.3257	0.3315	0.3371	0.3409
3950.0	0.3047	0.3060	0.3078	0.3140	0.3201	0.3260	0.3318	0.3375	0.3413
4000.0	0.3050	0.3063	0.3082	0.3144	0.3204	0.3264	0.3322	0.3379	0.3417

SPECIFIC HEAT

PRESSURE = TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2446	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2786	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3049	0.3077
2100.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2861	0.2871	0.2886	0.2936	0.2985	0.3033	0.3077	0.3121	0.3155
2300.0	0.2890	0.2900	0.2915	0.2966	0.3016	0.3064	0.3107	0.3150	0.3184
2400.0	0.2918	0.2928	0.2943	0.2995	0.3046	0.3094	0.3135	0.3176	0.3210
2500.0	0.2946	0.2956	0.2971	0.3024	0.3076	0.3123	0.3163	0.3202	0.3239
2600.0	0.2973	0.2983	0.2998	0.3052	0.3104	0.3150	0.3188	0.3225	0.3262
2700.0	0.2999	0.3009	0.3024	0.3079	0.3131	0.3176	0.3212	0.3248	0.3284
2800.0	0.3025	0.3035	0.3050	0.3106	0.3158	0.3202	0.3236	0.3270	0.3305
2900.0	0.3051	0.3061	0.3076	0.3133	0.3185	0.3228	0.3261	0.3294	0.3328
3000.0	0.3077	0.3087	0.3102	0.3160	0.3212	0.3254	0.3286	0.3318	0.3350
3100.0	0.3103	0.3113	0.3128	0.3187	0.3238	0.3279	0.3310	0.3340	0.3371
3200.0	0.3129	0.3139	0.3154	0.3214	0.3265	0.3305	0.3335	0.3364	0.3392
3300.0	0.3155	0.3165	0.3180	0.3241	0.3291	0.3330	0.3359	0.3387	0.3414
3400.0	0.3181	0.3191	0.3206	0.3268	0.3317	0.3355	0.3383	0.3410	0.3436
3500.0	0.3207	0.3217	0.3232	0.3295	0.3343	0.3380	0.3407	0.3433	0.3458
3600.0	0.3233	0.3243	0.3258	0.3322	0.3369	0.3405	0.3431	0.3456	0.3480
3700.0	0.3259	0.3269	0.3284	0.3349	0.3395	0.3430	0.3455	0.3479	0.3502
3800.0	0.3285	0.3295	0.3310	0.3376	0.3421	0.3455	0.3479	0.3502	0.3524
3900.0	0.3311	0.3321	0.3336	0.3403	0.3447	0.3480	0.3503	0.3525	0.3546
4000.0	0.3337	0.3347	0.3362	0.3430	0.3473	0.3505	0.3527	0.3548	0.3568
4100.0	0.3363	0.3373	0.3388	0.3457	0.3500	0.3531	0.3553	0.3573	0.3593
4200.0	0.3389	0.3399	0.3414	0.3484	0.3526	0.3556	0.3577	0.3596	0.3615
4300.0	0.3415	0.3425	0.3440	0.3511	0.3552	0.3581	0.3601	0.3619	0.3636
4400.0	0.3441	0.3451	0.3466	0.3533	0.3574	0.3602	0.3621	0.3638	0.3654
4500.0	0.3467	0.3477	0.3492	0.3560	0.3600	0.3627	0.3645	0.3661	0.3676
4600.0	0.3493	0.3503	0.3518	0.3587	0.3626	0.3652	0.3669	0.3684	0.3698
4700.0	0.3519	0.3529	0.3544	0.3614	0.3652	0.3677	0.3693	0.3707	0.3720
4800.0	0.3545	0.3555	0.3570	0.3641	0.3678	0.3702	0.3717	0.3730	0.3742
4900.0	0.3571	0.3581	0.3596	0.3668	0.3704	0.3727	0.3741	0.3753	0.3764
5000.0	0.3597	0.3607	0.3622	0.3695	0.3730	0.3752	0.3765	0.3776	0.3786
5100.0	0.3623	0.3633	0.3648	0.3722	0.3756	0.3777	0.3789	0.3799	0.3808
5200.0	0.3649	0.3659	0.3674	0.3749	0.3782	0.3802	0.3813	0.3822	0.3830
5300.0	0.3675	0.3685	0.3700	0.3776	0.3808	0.3827	0.3837	0.3845	0.3852
5400.0	0.3701	0.3711	0.3726	0.3803	0.3834	0.3852	0.3861	0.3868	0.3875
5500.0	0.3727	0.3737	0.3752	0.3830	0.3860	0.3877	0.3885	0.3891	0.3897
5600.0	0.3753	0.3763	0.3778	0.3857	0.3886	0.3902	0.3910	0.3916	0.3921
5700.0	0.3779	0.3789	0.3804	0.3884	0.3912	0.3927	0.3934	0.3939	0.3943
5800.0	0.3805	0.3815	0.3830	0.3911	0.3938	0.3952	0.3958	0.3962	0.3965
5900.0	0.3831	0.3841	0.3856	0.3938	0.3964	0.3977	0.3982	0.3985	0.3988
6000.0	0.3857	0.3867	0.3882	0.3965	0.3990	0.4002	0.4006	0.4008	0.4010
6100.0	0.3883	0.3893	0.3908	0.3992	0.4016	0.4027	0.4030	0.4032	0.4033
6200.0	0.3909	0.3919	0.3934	0.4018	0.4041	0.4051	0.4053	0.4054	0.4055
6300.0	0.3935	0.3945	0.3960	0.4044	0.4066	0.4075	0.4076	0.4077	0.4077
6400.0	0.3961	0.3971	0.3986	0.4070	0.4091	0.4099	0.4100	0.4100	0.4100
6500.0	0.3987	0.3997	0.4012	0.4096	0.4116	0.4123	0.4123	0.4123	0.4123
6600.0	0.4013	0.4023	0.4038	0.4122	0.4141	0.4147	0.4147	0.4147	0.4147
6700.0	0.4039	0.4049	0.4064	0.4153	0.4171	0.4176	0.4176	0.4176	0.4176
6800.0	0.4065	0.4075	0.4090	0.4184	0.4201	0.4205	0.4205	0.4205	0.4205
6900.0	0.4091	0.4101	0.4116	0.4205	0.4222	0.4225	0.4225	0.4225	0.4225
7000.0	0.4117	0.4127	0.4142	0.4236	0.4252	0.4254	0.4254	0.4254	0.4254
7100.0	0.4143	0.4153	0.4168	0.4257	0.4272	0.4273	0.4273	0.4273	0.4273
7200.0	0.4169	0.4179	0.4194	0.4281	0.4295	0.4295	0.4295	0.4295	0.4295
7300.0	0.4195	0.4205	0.4220	0.4295	0.4308	0.4308	0.4308	0.4308	0.4308
7400.0	0.4221	0.4231	0.4246	0.4312	0.4324	0.4324	0.4324	0.4324	0.4324
7500.0	0.4247	0.4257	0.4272	0.4338	0.4349	0.4349	0.4349	0.4349	0.4349
7600.0	0.4273	0.4283	0.4298	0.4364	0.4374	0.4374	0.4374	0.4374	0.4374
7700.0	0.4299	0.4309	0.4324	0.4385	0.4395	0.4395	0.4395	0.4395	0.4395
7800.0	0.4325	0.4335	0.4350	0.4406	0.4415	0.4415	0.4415	0.4415	0.4415
7900.0	0.4351	0.4361	0.4376	0.4431	0.4440	0.4440	0.4440	0.4440	0.4440
8000.0	0.4377	0.4387	0.4402	0.4457	0.4465	0.4465	0.4465	0.4465	0.4465
8100.0	0.4403	0.4413	0.4428	0.4483	0.4491	0.4491	0.4491	0.4491	0.4491
8200.0	0.4429	0.4439	0.4454	0.4509	0.4516	0.4516	0.4516	0.4516	0.4516
8300.0	0.4455	0.4465	0.4480	0.4535	0.4542	0.4542	0.4542	0.4542	0.4542
8400.0	0.4481	0.4491	0.4506	0.4561	0.4567	0.4567	0.4567	0.4567	0.4567
8500.0	0.4507	0.4517	0.4532	0.4587	0.4593	0.4593	0.4593	0.4593	0.4593
8600.0	0.4533	0.4543	0.4558	0.4613	0.4619	0.4619	0.4619	0.4619	0.4619
8700.0	0.4559	0.4569	0.4584	0.4639	0.4644	0.4644	0.4644	0.4644	0.4644
8800.0	0.4585	0.4595	0.4610	0.4665	0.4670	0.4670	0.4670	0.4670	0.4670
8900.0	0.4611	0.4621	0.4636	0.4691	0.4696	0.4696	0.4696	0.4696	0.4696
9000.0	0.4637	0.4647	0.4662	0.4717	0.4722	0.4722	0.4722	0.4722	0.4722
9100.0	0.4663	0.4673	0.4688	0.4743	0.4748	0.4748	0.4748	0.4748	0.4748
9200.0	0.4689	0.4699	0.4714	0.4769	0.4773	0.4773	0.4773	0.4773	0.4773
9300.0	0.4715	0.4725	0.4740	0.4795	0.4799	0.4799	0.4799	0.4799	0.4799
9400.0	0.4741	0.4751	0.4766	0.4821	0.4825	0.4825	0.4825	0.4825	0.4825
9500.0	0.4767	0.4777	0.4792	0.4847	0.4851	0.4851	0.4851	0.4851	0.4851
9600.0	0.4793	0.4803	0.4818	0.4873	0.4877	0.4877	0.4877	0.4877	0.4877
9700.0	0.4819	0.4829	0.4844	0.4899	0.4903	0.4903	0.4903	0.4903	0.4903
9800.0	0.4845	0.4855	0.4870	0.4925	0.4929	0.4929	0.4929	0.4929	0.4929
9900.0	0.4871	0.4881	0.4896	0.4951	0.4955	0.4955	0.4955	0.4955	0.4955
10000.0	0.4897	0.4907	0.4922	0.4977	0.4981	0.4981	0.4981	0.4981	0.4981

SPECIFIC HEAT

PRESSURE = TEMPERATURE / DEGREES R	100,000 FUEL/AIR RATIO											
	0.005	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090
600.0	0.2418	0.2423	0.2430	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552	0.2567	0.2585
700.0	0.2432	0.2438	0.2445	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2592	0.2617	0.2642
800.0	0.2452	0.2457	0.2466	0.2466	0.2492	0.2517	0.2542	0.2566	0.2591	0.2615	0.2640	0.2665
900.0	0.2476	0.2482	0.2491	0.2491	0.2517	0.2542	0.2567	0.2591	0.2616	0.2640	0.2665	0.2690
1000.0	0.2505	0.2512	0.2521	0.2521	0.2547	0.2572	0.2597	0.2621	0.2646	0.2670	0.2695	0.2720
1100.0	0.2536	0.2543	0.2553	0.2553	0.2579	0.2604	0.2629	0.2653	0.2678	0.2702	0.2727	0.2752
1200.0	0.2568	0.2575	0.2586	0.2586	0.2612	0.2637	0.2662	0.2686	0.2711	0.2735	0.2760	0.2785
1300.0	0.2600	0.2608	0.2619	0.2619	0.2645	0.2670	0.2695	0.2719	0.2744	0.2768	0.2793	0.2818
1400.0	0.2633	0.2641	0.2652	0.2652	0.2678	0.2703	0.2728	0.2752	0.2777	0.2801	0.2826	0.2851
1500.0	0.2665	0.2673	0.2685	0.2685	0.2711	0.2736	0.2761	0.2785	0.2810	0.2834	0.2859	0.2884
1600.0	0.2695	0.2703	0.2716	0.2716	0.2742	0.2767	0.2792	0.2816	0.2841	0.2865	0.2890	0.2915
1700.0	0.2724	0.2732	0.2745	0.2745	0.2771	0.2796	0.2821	0.2845	0.2870	0.2894	0.2919	0.2944
1800.0	0.2750	0.2759	0.2772	0.2772	0.2800	0.2824	0.2849	0.2873	0.2898	0.2922	0.2946	0.2971
1900.0	0.2775	0.2784	0.2798	0.2798	0.2824	0.2849	0.2873	0.2898	0.2922	0.2946	0.2971	0.2995
2000.0	0.2798	0.2808	0.2822	0.2822	0.2849	0.2873	0.2898	0.2922	0.2946	0.2971	0.2995	0.3019
2100.0	0.2831	0.2841	0.2855	0.2855	0.2881	0.2906	0.2930	0.2955	0.2979	0.3003	0.3027	0.3052
2200.0	0.2861	0.2871	0.2886	0.2886	0.2912	0.2937	0.2961	0.2986	0.3010	0.3034	0.3059	0.3083
2300.0	0.2890	0.2900	0.2915	0.2915	0.2941	0.2966	0.2990	0.3015	0.3039	0.3063	0.3088	0.3112
2400.0	0.2916	0.2926	0.2941	0.2941	0.2967	0.2991	0.3016	0.3040	0.3064	0.3089	0.3113	0.3137
2500.0	0.2942	0.2952	0.2967	0.2967	0.2993	0.3017	0.3042	0.3066	0.3090	0.3115	0.3139	0.3163
2600.0	0.2968	0.2978	0.2993	0.2993	0.3019	0.3043	0.3068	0.3092	0.3116	0.3141	0.3165	0.3189
2700.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
2800.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
2900.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3000.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3100.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3200.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3300.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3400.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3500.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3600.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3700.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3800.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
3900.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204
4000.0	0.2993	0.2993	0.3008	0.3008	0.3034	0.3058	0.3083	0.3107	0.3131	0.3156	0.3180	0.3204

SPECIFIC HEAT

PRESSURE = 600.0000 TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.050	0.060	0.067
700.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2517	0.2538	0.2552
800.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2545	0.2563	0.2585
900.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2576	0.2602	0.2620
1000.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2609	0.2630	0.2657
1100.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2647	0.2677	0.2697
1200.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2685	0.2717	0.2738
1300.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2724	0.2757	0.2780
1400.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2765	0.2798	0.2822
1500.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2802	0.2838	0.2863
1600.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2840	0.2878	0.2903
1700.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2877	0.2915	0.2942
1800.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2912	0.2952	0.2979
1900.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2944	0.2985	0.3013
2000.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2975	0.3017	0.3046
2100.0	0.2799	0.2808	0.2822	0.2869	0.2915	0.3004	0.3048	0.3077
2200.0	0.2821	0.2831	0.2855	0.2904	0.2952	0.3043	0.3090	0.3121
2300.0	0.2841	0.2851	0.2876	0.2926	0.2975	0.3067	0.3113	0.3148
2400.0	0.2861	0.2871	0.2896	0.2946	0.2995	0.3088	0.3136	0.3171
2500.0	0.2880	0.2890	0.2915	0.2966	0.3015	0.3108	0.3158	0.3193
2600.0	0.2899	0.2909	0.2934	0.2985	0.3034	0.3127	0.3178	0.3213
2700.0	0.2916	0.2927	0.2952	0.3003	0.3052	0.3145	0.3196	0.3231
2800.0	0.2933	0.2944	0.2969	0.3020	0.3069	0.3162	0.3213	0.3248
2900.0	0.2949	0.2961	0.2986	0.3037	0.3086	0.3179	0.3230	0.3265
3000.0	0.2961	0.2973	0.2998	0.3049	0.3098	0.3191	0.3242	0.3277
3100.0	0.2973	0.2985	0.3010	0.3061	0.3110	0.3203	0.3254	0.3289
3200.0	0.2984	0.2996	0.3021	0.3072	0.3121	0.3214	0.3265	0.3300
3300.0	0.2994	0.3006	0.3031	0.3082	0.3131	0.3224	0.3275	0.3310
3400.0	0.3004	0.3016	0.3041	0.3092	0.3141	0.3234	0.3285	0.3320
3500.0	0.3013	0.3025	0.3050	0.3101	0.3150	0.3243	0.3294	0.3329
3600.0	0.3022	0.3034	0.3059	0.3110	0.3159	0.3252	0.3303	0.3338
3700.0	0.3030	0.3042	0.3067	0.3118	0.3167	0.3260	0.3311	0.3346
3800.0	0.3037	0.3048	0.3073	0.3124	0.3173	0.3266	0.3317	0.3352
3900.0	0.3044	0.3056	0.3081	0.3132	0.3181	0.3274	0.3325	0.3360
4000.0	0.3050	0.3062	0.3087	0.3138	0.3187	0.3280	0.3331	0.3366
4100.0	0.3055	0.3067	0.3092	0.3143	0.3192	0.3285	0.3336	0.3371
4200.0	0.3059	0.3071	0.3096	0.3147	0.3196	0.3289	0.3340	0.3375
4300.0	0.3063	0.3075	0.3100	0.3151	0.3200	0.3293	0.3344	0.3379
4400.0	0.3067	0.3079	0.3104	0.3155	0.3204	0.3297	0.3348	0.3383
4500.0	0.3070	0.3082	0.3107	0.3158	0.3207	0.3300	0.3351	0.3386
4600.0	0.3073	0.3085	0.3110	0.3161	0.3210	0.3303	0.3354	0.3389
4700.0	0.3076	0.3088	0.3113	0.3164	0.3213	0.3306	0.3357	0.3392
4800.0	0.3079	0.3091	0.3116	0.3167	0.3216	0.3309	0.3360	0.3395
4900.0	0.3082	0.3094	0.3119	0.3170	0.3219	0.3312	0.3363	0.3398
5000.0	0.3085	0.3097	0.3122	0.3173	0.3222	0.3315	0.3366	0.3401
5100.0	0.3088	0.3100	0.3125	0.3176	0.3225	0.3318	0.3369	0.3404
5200.0	0.3091	0.3103	0.3128	0.3179	0.3228	0.3321	0.3372	0.3407
5300.0	0.3094	0.3106	0.3131	0.3182	0.3231	0.3324	0.3375	0.3410
5400.0	0.3097	0.3109	0.3134	0.3185	0.3234	0.3327	0.3378	0.3413
5500.0	0.3100	0.3112	0.3137	0.3188	0.3237	0.3330	0.3381	0.3416
5600.0	0.3103	0.3115	0.3140	0.3191	0.3240	0.3333	0.3384	0.3419
5700.0	0.3106	0.3118	0.3143	0.3194	0.3243	0.3336	0.3387	0.3422
5800.0	0.3109	0.3121	0.3146	0.3197	0.3246	0.3339	0.3390	0.3425
5900.0	0.3112	0.3124	0.3149	0.3200	0.3249	0.3342	0.3393	0.3428
6000.0	0.3115	0.3127	0.3152	0.3203	0.3252	0.3345	0.3396	0.3431
6100.0	0.3118	0.3130	0.3155	0.3206	0.3255	0.3348	0.3399	0.3434
6200.0	0.3121	0.3133	0.3158	0.3209	0.3258	0.3351	0.3402	0.3437
6300.0	0.3124	0.3136	0.3161	0.3212	0.3261	0.3354	0.3405	0.3440
6400.0	0.3127	0.3139	0.3164	0.3215	0.3264	0.3357	0.3408	0.3443
6500.0	0.3130	0.3142	0.3167	0.3218	0.3267	0.3360	0.3411	0.3446
6600.0	0.3133	0.3145	0.3170	0.3221	0.3270	0.3363	0.3414	0.3449
6700.0	0.3136	0.3148	0.3173	0.3224	0.3273	0.3366	0.3417	0.3452
6800.0	0.3139	0.3151	0.3176	0.3227	0.3276	0.3369	0.3420	0.3455
6900.0	0.3142	0.3154	0.3179	0.3230	0.3279	0.3372	0.3423	0.3458
7000.0	0.3145	0.3157	0.3182	0.3233	0.3282	0.3375	0.3426	0.3461
7100.0	0.3148	0.3160	0.3185	0.3236	0.3285	0.3378	0.3429	0.3464
7200.0	0.3151	0.3163	0.3188	0.3239	0.3288	0.3381	0.3432	0.3467
7300.0	0.3154	0.3166	0.3191	0.3242	0.3291	0.3384	0.3435	0.3470
7400.0	0.3157	0.3169	0.3194	0.3245	0.3294	0.3387	0.3438	0.3473
7500.0	0.3160	0.3172	0.3197	0.3248	0.3297	0.3390	0.3441	0.3476
7600.0	0.3163	0.3175	0.3200	0.3251	0.3300	0.3393	0.3444	0.3479
7700.0	0.3166	0.3178	0.3203	0.3254	0.3303	0.3396	0.3447	0.3482
7800.0	0.3169	0.3181	0.3206	0.3257	0.3306	0.3399	0.3450	0.3485
7900.0	0.3172	0.3184	0.3209	0.3260	0.3309	0.3402	0.3453	0.3488
8000.0	0.3175	0.3187	0.3212	0.3263	0.3312	0.3405	0.3456	0.3491
8100.0	0.3178	0.3190	0.3215	0.3266	0.3315	0.3408	0.3459	0.3494
8200.0	0.3181	0.3193	0.3218	0.3269	0.3318	0.3411	0.3462	0.3497
8300.0	0.3184	0.3196	0.3221	0.3272	0.3321	0.3414	0.3465	0.3499
8400.0	0.3187	0.3199	0.3224	0.3275	0.3324	0.3417	0.3468	0.3502
8500.0	0.3190	0.3202	0.3227	0.3278	0.3327	0.3420	0.3471	0.3505
8600.0	0.3193	0.3205	0.3230	0.3281	0.3330	0.3423	0.3474	0.3508
8700.0	0.3196	0.3208	0.3233	0.3284	0.3333	0.3426	0.3477	0.3511
8800.0	0.3199	0.3211	0.3236	0.3287	0.3336	0.3429	0.3480	0.3514
8900.0	0.3202	0.3214	0.3239	0.3290	0.3339	0.3432	0.3483	0.3517
9000.0	0.3205	0.3217	0.3242	0.3293	0.3342	0.3435	0.3486	0.3520
9100.0	0.3208	0.3220	0.3245	0.3296	0.3345	0.3438	0.3489	0.3523
9200.0	0.3211	0.3223	0.3248	0.3299	0.3348	0.3441	0.3492	0.3526
9300.0	0.3214	0.3226	0.3251	0.3302	0.3351	0.3444	0.3495	0.3529
9400.0	0.3217	0.3229	0.3254	0.3305	0.3354	0.3447	0.3498	0.3532
9500.0	0.3220	0.3232	0.3257	0.3308	0.3357	0.3450	0.3501	0.3535
9600.0	0.3223	0.3235	0.3260	0.3311	0.3360	0.3453	0.3504	0.3538
9700.0	0.3226	0.3238	0.3263	0.3314	0.3363	0.3456	0.3507	0.3541
9800.0	0.3229	0.3241	0.3266	0.3317	0.3366	0.3459	0.3510	0.3544
9900.0	0.3232	0.3244	0.3269	0.3320	0.3369	0.3462	0.3513	0.3547
10000.0	0.3235	0.3247	0.3272	0.3323	0.3372	0.3465	0.3516	0.3550

NOMENCLATURE

c_p	Specific heat at constant pressure (of air or exhaust gas), Btu/lbm-°R
h	Enthalpy (of air or exhaust gas), Btu/lbm
p	Pressure, psia
s	Entropy (of air or exhaust gas), Btu/lbm-°R
T	Temperature, °R